INDEX TO VOLUME 2

INDEX OF ORIGINAL ARTICLES

Abdominal wall, of mouse, intraocular transplants from, 648, 667
Abtropfung, in compound nevus, 39
Acanthosis nigricans, vs. melanoma, 53
ACTH, lymphoid-tumor regression caused by, 943-945
ADAIR, PRANK E., ji. au., 625-634
Adenoacanthoma, of endometrium, 953,

961

breast, in multiple tumors, of rabbit, 674 spontaneous, of mouse, 336, 337, 496 carcinoid with, 1013

carcinoid with, 1013 of endometrium, 953, 961 EO 771, effect of aminopterin on, 495 effect of herpes simplex virus on, 519 effect of influenza A (PR8) virus

effect of herpes simplex virus on, 519
effect of herpes simplex virus on, 519
effect of influenza A (PR8) virus
on, 519
inhibition of, by 10-methyl-1, 2benzanthracene and derivatives, 701
of gallbladder, 388
of prostate, urethane for, 470
and pulmonary tuberculosis coexisting, 93
of stomach, in multiple tumors, in
rabbit, 675
thyroglobulin uptake in rats with,
Im as tracer, 694
of thyroid, I^M studies on, 285
of uterine fundus, in multiple tumors,
in rabbit, 674
Adenofibroma 2011, effect of antireticular cytotoxic serum on, in
rats, 330
Adenoma, of bile duct, in multiple
tumors, in rabbit, 675
of bronchus, and pulmonary tuberculosis coexisting, 93
of gallbladder, gallbladder carcinoma
and, 384
of parathyroid, osteitis fibrosa cystica and, 295
Adenomatosis, pulmonary, 9s. terminal
bronchiolar cancer, 987
Adenosis, sclerosing, of breast, diagnosis of, 625-634
Adrenal, effect of nitrogen mustards on,
in mic. 1061
Adrenocorticotropic hormone. See
ACTH

in mice, 1001
Adrenocorticotropic hormone, See
ACTH
Alcohol, tongue cancer and, 413
ALFIN-SLATER, ROSLYN B., jt. au., 510-

515 ALLEN, ARTHUR C.: A reorientation on the histogenesis and clinical significance of cutaneous nevi and melanomas, 28-56 Amethopterin, cytocidal-technique tests

Amethopterin, cytocidal-technique tests
with, in mice, 117
effect on bone marrow, 877-883
effect on leukemia, mouse, 113-118
Aminoanfol, effect on bone marrow,
877-883
5-Amino-7-hydroxy-1-v-triazolo[d]pyrimidine. See Guanazolo
4-Amino-Nw-methyl-pteroy[glutamic
acid. See also Amethopterin
effect on lymphoid leukemia At 4, 119
Aminopterin, cytocidal-technique tests
with, in mice, 117
effect on adenocarcinoma, mammary,
spontaneous, of mouse, 496

spontaneous, of mouse, 496 effect on adenocarcinoma EO 771,

effect on animal tumors, 491-502
effect on bone marrow, 877-883
effect on Harding-Passey mouse
melanoma, 495
effect on leukemia, mouse, 113-118
effect on sarcoma 180, 57, 180, 491
histology of, 60
effect on sarcoma R39, 497
sarcoma 180 inhibition by, folic acid
reversing, 857-862
Amino-oberovlasspartic acid. See

acid. See

4-Amino-pteroylaspartic acid.
Amino-pteroylglutamic acid.
Amino-pteroylglutamic acid.

Anal canal. See also Intestine, lower carcinoma of, clinicopathological study of, 587-596 incidence of, 587

incidence of, 587
metastases of, 591
pathology of, 587
symptoms of, 594
Anaplasia, preceding endometrial carcinoma, 950, 970
Anesthesia, pentothal sodium, in head and neck operations, 223-244
advantages of, 243
complications of, operative, 230
postoperative, 225
preoperative, 229
contraindications to, 243
mortality, operative, 240
operations suited to, 232
postoperative considerations, 233

operations suited to, 232
postoperative considerations, 233
technique of, 225
Antibodies, 1³¹ labeled, localization of,
in rat kidney, 697-700
Antifolic compounds, See names of
specific compounds, as Am-

Antifolic compounds. See names of specific compounds, as Aminopterin
Antireticular cytotoxic serum, 329-340
Appendix, adenocarcinoma of, 18-24
87. appendicitis, 22
clinical analysis of, 23
carcinoids of, 819, 1006
ARIEL, IRVING M.; HEAD, JEROME R.;
LANGSTON, HIRAM T., and
AVERY, EDWARD E.: The use of interstitial radon seeds and needles in inoperable lung cancer, 581-586
jt. an., 411-423
ARMINSKI, THOMAS C.: Primary carcinoma of the gallbladder. A collective review with the addition of twenty-five cases from The Grace Hospital, Detroit, Michigan, 379-398
ARMISTEAD, G. C., JE.; BURCHENAL, J. H.; KARNOPSKY, D. A., and SOUTHAM, C. M.: Preliminary studies on the clinical toxicity of 5-amino-7-hydroxy-1-v-triazolo-[d]pyrimidine (guanazolo), 1087-1088
Arsenic, in leukemia, chronic myelo-cytic, 14

Arsenic, in leukemia, chronic myelo-

Arsenic, in leukemia, chronic myeto-cytic, 14
ATKINSON, WILLIAM B.; ENGLE, EARL
T.; GUSBERG, SAUL B., and
BUXTON, CHARLES L.: Histochemical studies on abnormal
growth of human endometrium.
II. Cytoplasmic ribonucleic acids
in normal and pathological
glandular epithelium, 132-137
AVERY, EDWARD E., ji. au., 581-586

Bagg lymphosarcoma, inhibition of, by 10-methyl-1,2-benzanthracene and derivatives, 702
BANFIELD, WILLIAM G., jt. 68., 1067-

BANFIELD, 1074

Batti's syndrome, endometrial carcinoma and, 600
BAUM, WILLIAM C., ji. au., 815-818
BENDICH, AARON, ji. au., 19-120
BENGLOFF, HAROLD, ji. au., 957-963;
964-971
Rengans in laukemia. chronic myelo-

964-971
Benzene, in leukemia, chronic myelocytic, 14
Bile duct, adenoma of, in multiple tumors, in rabbit, 675
Biopsy, sponge, technique of, 604
Bladder, cancer of, radical surgery of, extension of, results of, 428
technique of, 424-428
carcinoma of, effect of antifolic compands on, 87

pounds on, 877
Bleeding, nitrogen mustards and, 2, 8,

BLEICHER, JEROME E .: Cancer of the colon and rectum. A twelve-year survey of one hundred and forty-two cases in a general hospital, 25-27

Blood, in cryoglobulinemia, with leukemia, lymphocytic, 324
effect of aminopterin on, in sarcoma
180, in mice, 58
effect of nitrogen mustards on, in
leukemia, 2, 8, 11
in mice, 1059, 1083
effect of urethane on, in cancer of
prostate, 472
in terminal bronchiolar lung cancer,

979

Blood vessels, tumors of, hemangiopericytoma, 1027-1054
Bogomoleta's serum. See Antireticular
cytotoxic serum
Bone, cartilage tumors of, diagnosis of
by \$3*, 1089
chondroblastoma of, benign, in femoral capital epiphysis, 793-798
giant-cell tumor of, ss. benign chondroblastoma, 793, 797'
benign, case reports of, 297
diagnosis of, histological, 295
x-rays for, 293-313
carcinogenic effect of, 313
osteogenic sarcoma of, multiple, 789792
postirradiation, of nose, 438

792
postirradiation, of nose, 438
one marrow, in prostate cancer, urethane effect on, 472
effect of antifolic compounds on, 877-883 effect of folic acid deficiency on, 877-

883

883
mouse, effect of nitrogen mustards on, 1060, 1083
with sarcoma 180, effect of 4-amino-Nº-methyl-pteroylglutamic acid on, 863-864
effect of 4-amino-pteroylglutamic acid on, 863-864
recovery from folic acid deficiency, 880

75. melanoma, 53
Brain, mouse, effect of nitrogen mustards on, 1062
intraocular transplants of, 647. 653

, adenocarcinoma of, in multiple tumors, of rabbit, 674 effect of spontaneous, of mouse, effect of aminopterin on, 496 effect of antireticular cytotoxic

effect of antireticular cytotoxic serum on, 336 incidence of, 337 adenosis of, sclerosing, diagnosis of, 625-634 incidence of, 631 pathology of, 626 symptoms of, 632 carcinoma of, erythrocyte osmotic resistance in, 505 medullary, metastases in, 640 pathology of, 635 prognosis in, 635-642 survival in, 639 ys. sclerosing adenosis, 625 male, cancer of, age incidence of, 213 castration for, 191-222

castration for, 191-222

castration for, 191-222
case reports, 193-213
orchiectomy for, clinical results
of, 216
survival after, 217
osseous metastases in, castration
response of, 191-222
pituitary irradiation following
orchiectomy, 201, 215
tumors of, multiple, of rabbit, 674
BROWN, GEORGE B., jf. aw., 119-120
BROWNING, HENRY C.: Homologous
and heterologous growth of
transplants of various tissues
during the course of development in the mouse, 646-672
BRUNSCHWIG, ALEXANDER: Radical
pancreatectomy and splenectomy
with left total pneumonectomy

at one sitting for sarcoma of the pancreas and pulmonary metastases, 576-580

Results of pancreatoduodenectomy, 803-76.

BURCHENAL, J. H.; MYERS, W. P. L.; CRAVER, L. F., and KARNOFSKY, D. A.: The nitrogen mustards in the treatment of leukemia, 1-17

BURCHENAL, J. P. 37-37-38.

BURCHENAL, J. R.; KUSHIDA, M. N.; J. R.; KUSHIDA, M. N.; JOHNSTON, S. F., and WILLIAMS, B. S.: Studies on the chemotherapy of leuke-mia. II. The effect of 4-amino-pteroylglutamic acid and 4-amino-Ni⁵⁰-methyl-ptero-ylglutamic acid on trans-planted mouse leukemia, 113plan 118

BENDICH, AARON; BROWN, GEORGE
B.; ELION, GERTRUDE B.;
HITCHINGS, GEORGE H.;
RHOADS, C. P., and STOCK, C.
CHESTER: Preliminary studies
on the effect of 2,6-diamino-

on the effect of 2,6-diamino-purine on transplanted mouse leukemia, 119-120 ji. au., 1087-1088 BURCHENAL, J. R., ji. au., 113-118 BUSCHKE, FRANZ, and CANTELL, SIMEON T.: Roentgentherapy of benign giant-cell tumor of bone, 293-315 BUTLER, WILLIAM J., ji. au., 815-818 BUXTON, CHARLES L., ji. au., 132-137

Cancer. See also Cancer. Bladder, etc. See also Carcinoma; sites, e.g.,

of bladder, surgery of, radical, extension of, technique of, 424-428 cytology of. See also Cytology, exsion of, technique of, 424-428. cytology of. See also Cytology, exfoliative in diagnosis, limitations of, 845-852 electron microscopy in, 855 of endometrium, hepatic cirrbosis grade of, vein invasion and, 433 of head, pentothal sodium anesthesia for, 223-244 incidence of, in Oak Ridge, Tennessee, 567-575 of lung, terminal bronchiolar, 972-90 of neck, pentothal sodium anesthesia

of neck, pentothal sodium anesthesia for, 223-244

of pancreas, diagnosis by exfoliative cytology, 643
of prostate, urethane for, 469-474
of rectum, vein invasion in, significance of, 429-437
of sigmoid, vein invasion in, significance of, 429-437
sites of, in Oak Ridge, Tennessee, 570
tests for, intraocular transplants in, 480-490
Cancer Ward, Pirst, Frontispiece, facing p. 1
Cancerophobia, Frontispiece, facing p. 943

CANCEROPHOBIA, Frontispiece, facing p. 943
CANTRIL, SIMEON T., jt. au., 293-315
Carbamate(a), in chemotherapy of leukemia, mouse, 475-479
ethyl. See Urethane
Carcinogenesis, thermal irritation in, factors in, 138
Carcinoid(s). See also sites, e.g., Appendix
of intestinal tract, 819-837; 1005-1026
malignancy of, 1005-1026
malignant tumors associated with,

malignancy of, 1003-1026
malignant tumors associated with,
metastasis of, 1019
sites of, 1011
metastatic, case reports of, 831
primary, multiple, 1009
arcinoma. See also Cancer; sites, e.g.,

Carcinoma. Breast, etc.

bronchogenic, early, case reports of,

993
histology of, 991-1004
genesis of, 1001
and pulmonary tuberculosis coexisting, 65-97
factors affecting, 93
findings in, autopey, 93
clinical, 88
sponge biopsy in, 611
diagnosis of, sponge biopsy for, 604

Carcinoma, cont'd epidermoid, carcinoid with, 1013 in multiple tumors, of rabbit, 675 erythrocytes in, osmotic resistance of, 503-509

genesis of, changes prior to, sequence of, 946-956; 957-963; 964-971; 1001

guanazolo for, toxic reactions follow-ing, 1087 invasive sv. preinvasive, exfoliative cytology in, 838 medullary, of breast, prognosis in, 535-642

mucous-cell, metastatic, of ovary, 20 in Oak Ridge, Tennessee, 573 primary, of gallbladder, 379-398 simplex, of thyroid, I¹³¹ studies on, 287

in situ, endometrial carcinoma and, 964-971 squamous, of endometrium, 953

and pulmonary tuberculosis co-existing, 93 of tongue, 414

of tongue, 414
2426, mammary, effect of antireticular cytotoxic serum on,
in rats, 331
undifferentiated, of endometrium, 961
and pulmonary tuberculosis coexisting, 93

and pulmonary tuberculosis co-existing, 93

Walker 286, inhibition of growth of, by 10-methyl-1, 2-benzanthra-cene and derivatives, 702

Carcinosarcoma, of endometrium, 953

Carotid-body-like tumor, of middle ear, 447-468. See also Para-ganglioma, nonchromaffin

Cartilage, in abnormal locations, signif-icance of, 777-788

Cartilage; in abnormal locations, significance of, 777-788
tumors of, diagnosis of, by Sis, 1089
Castration, in breast cancer, of male,
191-222
in endometrial carcinoma, genesis of,
1952
Leydig-cell tumors following, in rat,
884
Cecum, carcinoids of, 1007
case reports of, 819
Cell. See Cytology
Celluse claires, in junctional nevi, 29
Cervix, cancer of, diagnosis of, exfoliative cytology in, 838-844
sponge biopsy in, 611
thiamine saturation in, 98
carcinoma of, erythrocyte osmotic resistance in, 505
invasive ss, preinvasive, exfoliative
cytology in, 838

nivasive ss. preinvasive, exfoliative cytology in, 838
Chemotherapy, of cancer. See names of specific compounds, e.g., Nitrogen mustards, etc.
Chloroleukemia Ak 1394, effect of folic acid derivatives on, 113
effect of HN2+urethane on, 475
Cholecystitis, gallbladder carcinoma and, 384
Cholelithinais

Cholelithiasis, gallbladder carcinoma and, 383

and, 383
Chondroblastoma, benign, of bone, vs. giant-cell tumor, 793, 797
Chondrobna, central, treatment of, 780
Chondroma, central, treatment of, 780
Chondroma, central, treatment of, 780
Chondrosarcoma following, 777
peripheral. See Osteochondroma
Chondrosarcoma, as secondary
chondrosarcoma, 777
Chondrosarcoma, following chondroma,
case reports, 781
primary and secondary, 777
Cirrhosis, hepatic, endometrial cancer
and, 597-603
Cloudman S-91, experimental melanoma, 53
Cold. See also Heat
sensitivity to, in leukemia, lymphocytic, with cryoglobulinemia,
322
Coley, Bradley L., and Higinbotham,

COLEY, BRADLEY L., and HIGINBOTHAM, NORMAN L.: The significance of cartilage in abnormal loca-tions, 777-788

tions, 777-788
Colon, ascending, carcinoids of, case reports of, 819
cancer of, end results in general hospital, 25-27
carcinoids of, 819-837; 1007
carcinoma of, erythrocyte osmotic resistance in, 505

Colon, carcinoma of, cont'd palliative resections in, 767-776 transverse, carcinoids of, case reports of, 822 Corpuscles, Merkel-Ranvier, histology of, 45

End

C3

gr hi End End Epit

Epit

Ery

Esti Eye

FAR

Fall

Fav Fen

FER Fib

FIN

Fis

Gal

Ga GA

of, 45
Wagner-Meissner, histology of, 46
lames foliacées and, 35
Cortisone, lymphoid-tumor regression
caused by, 943-945
CRAVER, L. F., it. au., 1-17
CROSS, JAMES H., jt. au., 411-423
Cryoglobulinemia, in leukemia, lymphojotic, with Raynaud's syndrome, cytic, wi 319-328

319-328
Cystadenofibroma, of ovary, 953
Cytocidal technique, 116
in folic acid-derivative screening
tests, 117
Cytology, in diagnosis of malignant
tumors, limitations of, 845-852
effect of aminopterin on, 861
effect of folic acid denicency on, 881
electron microscopy of Hodgkin's
material, 855
exfoliative, in cancer of cervix, early.

material, 855
exclolative, in cancer of cervix, early,
838-844
case followed by, results of, 838
cases simulating cancer, 620
in lung cancer, 977
pancreatic cancer cells in duodenal
drainage, 643
of vaginal fluids, evaluation of, 615655

of vaginal fluids, evaluation of, 0.3-6.24
liver, of rat, HN3 effect on, 1067
sponge biopsy in, 605
testis, of mouse, effect of nitrogen
mustards on, 1078
ytoplasm, p-dimethylaminoazobenzene changes in, 121
of endometrial glands, ribonucleic
acids of, 132-137
in leukemia, nucleic acid in, 510 Cytoplasm,

DAVIS, ROBERT E., and IVY, ANDREW
C.: Thermal irritation in gastric disease, 138-143
Dermatitis, toxic, after guanazolo, 1087
2,6-Diaminopurine, effect on lymphoid
leukemia Ak 4, 119
DIAMOND, BERNARD, jf. au., 799-802
Diaphragm, osteogenic sarcoma involving, 791
Dibenzanthracene, lung cancer induced
by, 988
1,4-Di (2-chloroethyl)-1,4-diethyl piperazinium dichloride, systemic
pathological effects of, in mice.

azinium dichloride, systemic
pathological effects of, in mice,
1055-1066
p-Dimethylaminoazobenzene, carcinoma from, effect of antireticular
cytotoxic serum on, 332
hepatomas in rats from, nucleic acid
changes caused by, 121-131
Dimethyl-bis (2-chloroethyl) ammonium chloride, systemic pathological effects of, in mice, 10551066 1066

1066
Diopterin, effect on sarcoma 180, 62
DOBRINER, KONRAD, ji. aw., 943-945
Dopa reaction, in blue nevus, 39
Duodenum, carcinoids of, 1007
carcinoma of, results of pancreatoduodenectomy, 763-766
Dyschodroplasia, familial, chondrosarcoma developing in, 778

Ear, middle, paraganglioma of, non-chromaffin, 447-468 EISENBERG, FRIEDA FAIMAN, jl. au.,

EISENBERG, FRI

Electron microscopy of tumors, 853-856
ELIEL, L. P., ji. as., 943-945
ELION, GERTRUDE B., ji. as., 119-120
Endometriosis, extension of, routes of, 399-410
pathogenesis of, 399-410

case reports of, 404 theories of, 401 theories of, 401
composite, 407
Endometrium, cancer of, case reports,
599
hepatic cirrhosis and, 597-603
metastatic, 597
primary, 597
carcinoma of, age in, early, 957
clinical findings in, 957

Endometrium, carcinoma of, cont'd carcinoma in situ preceding, 950, 954, 959, 964 changes prior to, sequence of, 951, clinical findings in, 952 cytoplasmic ribonucleic acid in, 133 estrogens in, role of cirrhosis, 597, 603

gy

ion

ho-

ng

ly,

nal

15

en

en-

EW as-

lv-

ce.

lar cid 10-

mon-

13.

of.

ts,

603 genesis of, 946-956; 957-963; 964-971

971
changes prior to, 947
incidence of, 951
cytoplasmic ribonucleic acids in, 132growth of, abnormal, histochemistry
of, 132-137
histology of, 399
Endothelioma, of heart, 247
ENGLE, EARL T., ji. 4. 34., 132-137
Epithelioma, basal-cell, 95. melanoma,
53 53

Epitheliomatosis, superficial, junctional nevi and, 34
Brythrocytes. See also Blood osmotic resistance of, in carcinoma, 503-509

Estrogens. See also specific names of in endometrial carcinoma, 597, 603,

952, 954 Ewing, James H., jl. au., 643-645 Eye, tumor transplantation into, as cancer test, 480-490

cancer test, 480-490

FAIMAN, FRIEDA, jt. am., 100-112; 803-814. See also EISENBERC

Fallopian tube, cancer of, 803-814

metastatic, clinical findings in, 808
diagnosis of, pathological criteria
for, 810
incidence of, 808
primary, clinical findings in, 804
diagnosis of, pathological criteria
for, 806
incidence of, 803
FAVATA, B. V., jt. am., 480-490
Femur, epiphysis of, capital, benign
chondroblastoma of, 793-798
FERGUSON, J. HOWARD: Some limitations of cytological diagnosis of
malignant tumors, 845-852

malignant tumors, 845-852

Fibrosarcoma, inhibition of, by 10methyl-1,2-benzanthracene and
derivatives, 702

thryoglobulin uptake in rats with, Isa
as tracer, 694

FINN, WILLIAM F., and JAVERT, CARL
T.: Primary and metastatic cancer of the fallopian tube, 803-814

FISK, ARTHUR J., ji. au., 1055-1066;
1075-1082

FISK KARIN, it au., 1055-1056.

1075-1082

FISK, KARIN, jt. au., 1055-1066

PITZCERALD, PATRICK J., jt. au., 1005-1026

PLUHARTY, REX G., jt. au., 279-292

Polic acid, reversing aminopterin-induced inhibition of sarcoma 180, 857-862

derivatives of Sex et al.

derivatives of. See also specific

derivatives of. See also specific names of, as Aminopterin effect on sarcoma 180, 57-64
FOOTE, FRANK W., JR., jl. au., 035-642
FORAKER, ALVAN G., and MILLER, CHARLES J.: Extramammary Paget's disease of perianal skin, 144-152
Frankel, Doris R., jl. au., 1089-1092
FRIEDMAN, ORRIE M., jl. au., 701-706
FUGMANN, RUTH, jl. au., 805-876; 1055-1066; 1075-1082

Gallbladder, carcinoids of, 1007 carcinoma of, primary, 379-398 clinical factors in, 385 etiology of, 383 incidence of, 379 laboratory findings in, 387 metastasis of, 389 pathology of, 388

pathology of, 388
surgery of, 390
survival in, 390
types of, 388
x-ray findings in, 387
Gastrointestinal tract, of mice, effect of nitrogen mustards on, 1062, 1083
GATES, OLIVE; MACMILLAN, JANE C., and MIDDLETON, MARGARET:
The vaginal smear as a means of investigating early carcinoma of the cervix, 838-844

Gibbel, Melvin I.; Cross, James H., and Ariel, Irving M.: Cancer of the tongue. A review of 330 cases, 411-423 GLADSTONE, SIDNEY A.: Sponge

antikidney, localization of, in rat, 697-700

637-602; 805-876; 1053-1000;
GOLDIN, ABRAHAM; GOLDBERG, BENJAMIN; ORTEGA, LOUIS G., and
SCHORNBACH, EMANUEL B.: Reversal of aminopterin-induced
inhibition of sarcoma 180 by
folic acid, 857-862
FUGMANN, RUTH; FAIMAN,
PRIEDA, and SCHOENBACH,
EMANUEL B.: Effectiveness of nitrogen mustards
in retarding the growth of
of sarcoma 180 with reference to route of administration, age of tumors,
food intake, and weight
loss of the mice, 865-876
jl. an., 57-64; 100-112; 1055-1066;
GRAFF SAMUEL; MOORE, DAN H.;

ji. an., 57-64; 100-112; 1055-1066; 1075-1082
GRAFF, SAMUEL; MOORE, DAN H.; STANLEY, WENDELL M.; RANDALL, HENRY T., and HAAGEN-SEN, C. D.: Isolatino of mouse mammary carcinoma virus, 755-762
GREENE, HARRY S. N., and STRAUSS, JOHN S.: Multiple primary tumors in the rabbit, 673-691
Growth, of normal tissue, on intraocular transplantation, 646-672
tumors, e.g., Sarcoma 180
inhibition of, interaction of multiple minimates in 689
Guanazolo, effects of, 1087-1088
toxic reactions following, 1087-1088
Gusberg, SAUL B., ji. au., 132-137

HAAGENSEN, C. D., jl. as., 755-762
HACKNEY, VICTOR C., jl. as., 789-792
HALPERT, BÉLA; MURDOCH, RAYMOND L., and YOUNG, MILLINGTON O.:
Carcinoma of the sigmoid colon, rectum, and anal canal. A clinicopathological analysis of 150 cases, 837-96
RUSSO, PETER E., and HACKNEY, VICTOR C.: Osteogenic sarcoma with multiple skeletal and visceral involvement, 789-792

VICTOR C.: Osteogenic sarcoma with multiple skeletal and visceral involvement, 789-792 HAMILTON, JOSEPH G., ft. au., 692-596 Harding-Passey experimental melanoma, 53
HEAD, JEROME R., ft. au., 581-586
Heart, mouse, effect of nitrogen mustards on, 1063
intraocular transplants of, 647, 659
sarcoma of, osteogenic, 790
reticulum-cell, case report, 247
tumors of, malignant, clinical aspects of, 246
pathology of ous mammary tumors, 335-336.

III. Reduced incidence of spontaneous mammary cancer in R3 mice treated with ACS, 337-340

Hemangioma, of ovary, in multiple tumors, in rabbit, 675

Hemangiopericytoma, 1027-1054
case reports of, 1031
clinical findings in, 1030
histology of, 1027, 1034
Hemoglobin. See Blood
Hepatoma, rat, induced by \$p\$-dimethylaminoazobenzene, nucleic
acid changes from, 121, 131
thyroglobulin uptake in mice with,
131 as tracer. 694

thyroglobulin uptake in mice with, In as tracer, 694

HERTIG, ARTHUR T., and SOMMERS, SHELDON C.: Genesis of endometrial carcinoma. I. Study of prior biopsies, 946-956
and BENGLOFF, HAROLD: Genesis of endometrial carcinoma. III. Carcinoma in situ, 964-971

ji. am., 957-963

HIGINBOTHAM, NORMAN L., ji. am., 777-788

788 HITCHINGS, GEORGE H., jt. au., 119-

HITCHINGS, GEORGE H., jt. as., 119-120
HN2. See also Nitrogen mustards effect on lymphoid leukemia Ak 4, 119
for leukemia, 1-17
synergism with urethane, for mouse leukemia, 475-470
HN3. See also Nitrogen mustards affect on liver reconcerating of rat

effect on liver, regenerating, of rat, 1067-1074 for leukemia, 1-17 Hodgkin's disease, electron microscopy of, 853-856

HOLLAND, ALBERT H., Jr., jt. au., 567-575

HOLLAND, Albark H., Jk., Jr. Sa., 301-1575 Homeoplasia, endometrial, endometrio-sis and, 399-410

Hormone(s), in endometrial carcinoma, genesis of, 952, 954, 961

Leydig-cell tumors and, 884

HORN, ROBERT C., JR.: Carcinoid tumors of the colon and rectum, 319-837

HUNTER, WARREN C., jl. au., 991-1004

2-Hydroxyethyl morpholine, systemic pathological effects of, in mice, 1055-1066

Hyperplasia, preceding endometrial

Hyperplasia, preceding endometrial carcinoma, 948, 959, 970

I¹¹¹, kidney, localization of antibodies by, in rat, 697-700 in thyroid function studies, 279-292 as tracer, of thyroglobulin, in tumor-bearing animals, 692-696 lleocecal valve, carcinoids of, case reports of, 826 lleum, carcinoids of, 1007

Ileum, carcinoids of, 1907
case reports of, 1021
of mouse, intraocular transplants of,
648, 663
Intestine, carcinoids of, 18, 819-837;
1905-1026
case reports of, 819, 1021
clinical findings in, 835, 1015
histology of, 832, 1019
incidence of, 1006
malignancy of, 835, 1005-1026
metastasis in, 835, 1019
pathology of, gross, 1017
treatment of, 1023
leiomyosarcoma of, in multiple

treatment of, 1023
leiomyosarcoma of, in multiple
tumors, in rabbit, 675
lower, carcinoma of, treatment
results, 594
Iodine, radioactive, thyroid function
and, 279-292. See also I¹³¹
Irradiation. See also Radium, Radon,
Roentgen rays
in leukemia, 14
IVY, ANDREW C., jt. am., 138-143

Jangziekte, terminal bronchiolar cancer and, 988

JACQUEZ, JOHN A., and PORTER, KEITH R.: Electron-microscopy observations on Hodgkin's material, 853-856

JACER, B. V., jt. as., 319-328

JAILER, JOSEPH W.: Comparative thimme saturations in women with uterine cancer and in normal women, 98-99

with determediates and information women, 98-99

JAVERT, CARL T.: Pathogenesis of endometriosis based on endometrial homeoplastia, direct extension, exfoliation and implantation, lymphatic and hematogenous metastasis. (In-

cluding five case reports endometrial tissue in pe jlymph nodes), 399-410 jl. au., 803-814 Jejunum, carcinoids of, 1007 Johnston, S. F., jt. au., 113-118 pelvic

KAPLAN, LEO, jt. au., 793-798 KARNOFSKY, D. A., jt. au., 1-17; 1087-1088 KENNEY, FRANCIS R., jt. au., 261-KENNEY, F

278
Keratosis(es), junctional nevi and, 34
ps. junctional nevus or melanoma, 53
Kidney, mouse, effect of nitrogen mustards on, 1061
intraocular transplants of, 648, 666
tumor of, inferior vena cava excision
in, 316-318
KNUDTSON, KENNETH P., jt. au., 972900
Krukenberg tumors, following adeno-

Krukenberg tumors, following adeno-carcinoma of appendix, 20 KUSHIDA, M. N., jt. au., 113-118

Laënnec's cirrhosis, endometrial carcinoma and, 600
Lames foliacées, histology of, 46
in intradermal nevi, 35
LANDING, BENIAMIN H., and BISENBERG, FRIEDA FAIMAN: Nitrogen mustards. Statistical analysis of effects on sarcoma 180 and viscera of normal mice in relation to toxicity and structure, 1083-1086 1083-1086

relation to toxicity and structure, 1083-1086

SEED, JOHN C., and BANFIELD, WILLIAM G.: The effects of a nitrogen mustard [tris (2-chloroethyl) amine] on recent and the structure, 1067-1074

GOLDIN, ABRAHM, and NOE, HERBERT A.; with the technical assistance of: TAYLOR, JENNINGS B.; FUGMANN, RUTH A.; GOLDBERG, BENJAMIN, and FISK, ARTHUR J.: Testicular lesions in mice following parenteral administration of nitrogen mustards, 1075-1082

GOLDBERG, BENJAMIN, and SHAPIRO, DANIEL M.; with the technical assistance of: FUGMANN, RUTH A.; FISK, ARTHUR J.; FISK, KARIN. and TAYLOR, JINNINGS B.: Systemic pathological effects of nitrogen mustards, and a comparison of toxicity chemical structure, and cytotoxic effect, with reference to the chemotherapy of tumors, 1085-1066

jl. au., 100-112

jt. an., 100-112 Andmesser, Walter E., Jr., jt. an., LANDME 1ESSER, 503-509

LANGSTON, HRAM T., ji. au., 581-586
LAPIDES, JACK: Clinical value of urethane therapy in prostatic content of the property of

DORIS R.: Labeled morgame sur-fate in the diagnosis of cartilag-inous tumors and their metas-tases, 1089-1092
Leiomyoma, of uterus, 953
in multiple tumors, in rabbit, 674
Leiomyosarcoma, in multiple tumors, in rabbit, 674
Lention, 20, 674

Lentigo, 29
Lesnick, Gerson, and Miller, David:
Adenocarcinoma of the appendix,
18-24
See Also Chloroleukemia

Leukemia. See also Chloroleukemia acute, nitrogen mustards for, 11 lymphocytic, chronic, nitrogen mus-tards for, 7 cryoglobulinemia and Raynaud's syndrome in, 319-328 Leukemia, comt'd
lymphoid, effect of antifolic compounds on, 877
Ak 4, 4-amino-N¹⁰-methyl-ptero-

4-amino-N¹⁰-methyl-ptero-ylglutamic acid effect on, 119

ylglutamic acid effect on, 119
2,6-diaminopurine effect on, 119
effect of folic acid derivatives on, 113
effect of HN2 on, 119
Akm 9417, effect of folic acid derivatives on, 113
mouse, chemotherapy of, carbamates in, 475-479
nucleic, acid content of spleen, 510
myelocytic, chronic, nitrogen mustards for, 2, 15
treatment of, 2, 14
myelogenous, of mice, survival-time increase, due to 10-methyl-1, 2-benzanthracene and derivatives, 701
myeloid, effect of antifolic compounds
on, 877

myeloid, effect of antifolic compounds on, 877
Cl998, effect of folic acid derivatives on, 113
nitrogen mustards in, 1-17
in Oak Ridge, Tennessee, 573
Leukocytes. See Blood
Leukoplakia, junctional nevi and, 34
tongue cancer and, 413
LICHTENSTEIN, LOUIS, and KAPLAN,
LEO: Benign chondroblastoma
of bone. Unusual localization
in femoral capital epiphysis,
793-798
Limb bud, of mouse, intraocular transplants of, growth of, 648, 666
LISFAANC, JACQUES, Frontispiece, facingp. 379
Liver, carcinoma of, effect of antireticular cytotoxic serum on, in

reticular cytotoxic serum on, in rats, 332
effect of nitrogen mustards on, in

mice, 1063
hepatoma of, from p-dimethylaminoazobenzene, 121
of mouse, intraocular transplants of,
647, 661

047, 661
regenerating, rat, HN3 effect on, 1067-1074
Lung, cancer of, "alveolar cell." See Lung, cancer of, terminal bronchiolar

chiolar exfoliative cytology of, 977 radon needles and seeds for, 581-586 terminal bronchiolar, 972-990 clinical findings, 972 metastasis of, pathology of, 981 prognosis and, 985 x-ray findings in, 977 treatment of, 979 in uranium-mine workers, 988

in uranium-mine workers, 988 carcinoma of. See also Carcinoma, bronchogenic

bronchogenic origin of, 1001 erythrocyte osmotic resistance in,

505
sponge biopsy in, 611
effect of nitrogen mustards on, in
mice, 1061
metastases to, from sarcoma of pancreas, 576
of mouse, intraocular transplants of,
growth of, 647, 657

growth of, 647, 657 osteogenic sarcoma involving, 790 Lymph node(s), effect of nitrogen mus-tards on, in mice, 1059 tumorous, electron microscopy of, tumorous, e 853-856

Lymphadenopathy, nitrogen mustards and 2, 8, 11
Lymphoid tissues, effect of nitrogen mustards on, in mice, 1083
regression of, ACTH and cortisone causing, 943-945
Lymphoma, thyroglobulin uptake in mice with, 1¹⁸¹ as tracer, 694
Lymphosarcoma, Bagg, inhibition of, by 10-methyl-1, 2-benzanthracene and derivatives, 702
effect of antifolic compounds on, 877
generalized, in multiple tumors, in rabbit, 675

MacMillan, Jane C., jt. gu., 838-844 McNeer, Gordon, and Ewing, James H.: Exfoliated pancreatic cancer

Neu Nev bl

p t; Nit

No Nu

Oa Oc Oll Or Or

OR Os

Os

Ov

Pa

Pa

cells in duodenal drainage. A case report, 643-645

MARINELLI, L. D., H. aw., 279-292

MARSHALL, VICTOR F., and SCHMIDLAPP, CARL J., II: Partial excision of the inferior vena cava in the removal of tumors, 316-318

and WHITMORE, WILLET F., JR.: A technique for the extension of radical surgery in the treatment of vesical cancer, 424-428

Megaloblastosis, effect of antifolic compounds on, 877-883

MEISEL, DORIS, H. aw., 329-334; 335-336; 337-340; 884-892.

Melanoma, clinical significance of, 28-50

experimental, Cloudman S-91, 53

Harding-Passey mouse, 53

effect of aminopterin on, 495

and human, disparity between, 53
histogenesis of, 28-36
juvenile, histology of, 41

transformation of, 54

malignant, epidermogenesis of, 48
histology of, 41
junctional nevi and, 42

malignant, epidermogenesis of, 48
histology of, 41
junctional nevi and, 42
metastasis of, electron microscopy
of, 853
origin of, theories of, 28
pigmentation in, 50
precancerous lesions of, 42
in Oak Ridge, Tennessee, 573
origin of, neurogenic, 43
Melanosarcoma, blue nevus and, 37
Menopause, endometrial carcinoma
and, 952
Mesoblastoma, of heart, 247
10-Methyl-1,2-benzanthracene, and
derivatives, inhibition of tumor

10-Methyl-1, 2-benzanthracene, and derivatives, inhibition of tumor growth by, 701-706
Methyl-bis (2-bromoethyl) amine. See Sk 437
Methyl-bis (β-chloroethyl) amine. See HN2, Nitrogen mustards Methyl-bis [2-(methyl-bis (2-hydro-xyethyl) ammonium chloride) ethyl] amine, systemic pathological effects of, in mice, 1055-1066
MIDDLETON, MARGARET il. au. 238.

MIDDLETON, MARGARET, jt. au., 838-844 MILDEN, MYRON, jt. au., 701-706

MILDEN, MYRON, jt. au., 701-706
Milk agent, of mouse mammary carcinoma, isolation of, 735-762
MILLER, CHARLES J., jt. au., 18-24
MICHELL, NATHAN, and DIAMOND,
BERNARD: Argentaffin tumor
occurring in a benign cystic
testatoma of the ovary, 799-802
Mitosis. See Cytology
MODLIN, JOHN, and WALKER, HOWARD
S. J.: Palliative resections in
cancer of the colon and rectum,
767-776
Mole. See also Nevus, junctional

767-776

Mole. See also Nevus, junctional Mongolian spot. See Nevus, blue MOORE, ALICE E.: The destructive effect of the virus of Russian Far East encephalitis on the transplantable mouse sarcoma 180, 525-534

523-534
Effect of inoculation of the viruses of influenza A and herpes simplex on the growth of transplantable tumors in mice, 516-524

able tumors in mice, 516-524

jt. au., 491-502

Moore, Dan H., jt. au., 755-762

Moore, Oliver S., Jr., and Poote,
Frank W., Jr.: The relatively
favorable prognosis of medullary
carcinoms of the breast, 635-642

Morpholine, systemic pathological
effects of, in mice, 1055-1066

MOSHMAN, Jack, and HOLLAND, ALBERT H., Jr.: On the incidence
of cancer in Oak Ridge, Tennessee, 567-575

Mouse, mammary carcinoms of, virus

Mouse, mammary carcinoma of, virus of, isolation of, 735-762 MURDOCH, RAYMOND L., jt. au., 587-596 MYERS, W. P. L., jt. au., 1-17

Neuroblastoma, effect of antifolic com-pounds on, 877 Neurofibroma, nevus variants of, 43 Neurofibrosarcoma, melanoma as vari-ant of, 43

Neuronevus. See also Nevus, junctional Nevus(i), age incidence of, 50 blue, histology of, 37 compound, histology of, 39 cutaneous, clinical significance of, 28-56

28-56
histogenesis of, 28-56
definition of, 29
dermatoepidermal change in, 29
intradermal, epidermogenesis of, 48
histology of, 35
Jadassohn-Tièche. See Nevus, blue
junctional, diagnosis of, differential,
histological, 34
dormancy of, 51
epidermogenesis of, 47

dormancy of, 51
epidermogenesis of, 47
histology of, 29
melanomatous transformation,
stimulus to, 51
origin of, neurogenic, 43
de novo, 51
pigmentation in, 50
types of, 29

APP, n of the

n of eat-424-

folic

335-28-

. 53

ору

oma

mor

See See ide) 055-

338car-

2

ND.

802

in ım.

ive Far

80

s of

ely ary 642

cal

rus 106

mri

pigmentation in, 50 types of, 29
Nitrogen mustard(s). See also HN2, HN3, SK 136, SK 137, SK 437, SK 596, and chemical names analogues screened, 100-112; 1055-1066; 1083-1086
results of, 110, 1063
chemical structure of, 102, 1057
cytotoxic effect of, in mice, 1055-1066
effect of, criteria for, in clinical evaluation, 1
effect on regenerating rat liver, 1067effect on regenerating rat liver, 1067-1074

effect on sarcoma 180, 865-876; 1083-

effect on sarcoma 180, 865-876; 10831086
effect on testis, in mice, 1075-1082
effect on weight, of mice, 1083
for leukemia, 1-17
pathological effects of, in mice, 1063
screening techniques in, 100-112;
1055-1066; 1083-1086
systemic effects of, in mice, 10551066; 1083-1086
toxicity of, in mice, 1055-1066
Noe, Herry H. au., 1055-1066
Noe, Herry H. au., 1055-1066
Nucleic acid(s), changes in, in rat
hepatoma formation, 121-131
desoxypentose, 510
in mouse spleen, leukemic, 510-515
pentose, 510
Nucleolus. See Cytology
Nucleus. See Cytology

Oak Ridge, Tennessee, cancer in, in-cidence of, 567-575

Occupation, tongue cancer and, 413
Ollier's disease. See Dyschondroplasia
Oral cavity, tumors of, plasma-cell,
261-278 261-278
Orchiectomy, in breast cancer, of male, 191-222
clinical results of, 216
metabolic studies after, 214
survival after, 217
ORTEGA, L. G., jl. aw., 57-64; 857-862;
Octobric

Osteitis fibrosa cystica, vs. giant-cell bone tumor, benign, x-rays for,

294

Osteochondroma, chondrosarcoma fol-lowing, 778 treatment of, 780 Ovary, cancer of, metastatic to tube, 808 carcinoma of, mucous-cell, metas-tatic, 20

hemangioma of, in multiple tumors, in rabbit, 675 Krukenberg tumors of, 20

Arukenoerg tumors ot, 20
osteogenic sarcoma involving, 791
teratoma of, benign cystic, argentaffin
tumor in, 799-802
tumors of, with endometrial carcinoma, 953, 970

Paget's disease, extramammary, pathology of, 145 of perianal skin, 144-152 junctional nevi and, 34 Palliation, surgery in, in colon and rectal cancer, 767-776 Pancreas, cancer of, diagnosis by exfoliative cytology, 643 carcinoma of, results of pancreato-duodenectomy, 763, 766 effect of nitrogen mustards on, in mice, 1063

Pancreatectomy, radical, with splenectomy and left pneumonectomy, case of, 576-580
Pancreatoduodenectomy, results of, 763-766
Papilla of Vater, carcinoma of, results 766
Papillome, of breast in small-in-

Papilloma, of breast, in multiple tumors, in rabbit, 674 of gallbladder, gallbladder carcinoma and, 384 malignant, in Oak Ridge, Tennessee, 373

manusum.

573
Paraganglioma, nonchromaffin, on middle ear, 447-468
case reports, 451
histogenesis of, 459
metastases of, 453, 461, 465
pathology of, 449
symptoms of, 447
PEARSON, CARL M., and PITZGERALD,
PATRICK J.: Carcinoid tumors—a re-emphasis of their malignant
nature. Review of 140 cases,

PERSON, CARL M., and FITZGERALD,
PARICK J.: Carcinoid tumors
—a re-emphasis of their malignant
nature. Review of 140 cases,
1005-1026
PERSON, O. H.; BLIEL, L. P.; RAWSON, RULON W.; DOBRINER,
KONRAD, and RHOADS, C. P.;
ACTH—and cortisone-induced
regression of lymphoid tumors
in man. A preliminary report,
943-945.
Pentothal sodium anesthesia, in head
and neck operations, 223-244
Peritoneum, effect of nitrogen mustards
on, in mice, 1063
PETERMANN, MARY L.; ALFIN-SLATER,
ROSLYN B., and LARACK, AUDREY
M.: The nucleic acid distribution in normal and leukemic
mouse spleen, 510-515
PETERS, HANNAH: The vaginal smear.
The ease and difficulty of its
evaluation, 615-624
PETERSEN, ARTHUR B.; HUNTER,
WARREN C., and SNEEDEN,
VINTON D.: Histological study
of five minute pulmonary neoplasms believed to represent
early bronchogenic carcinoma,
991-1004
Phosphatase, acid, in cancer of prostate,
urethane effect on, 470
after orchiectomy, in breast cancer,
of male, 214
Phosphorus, radioactive, in leukemia, 1,
Pigmentation, neural aspects of, 50
Pituitary, hormone of, Leydig-cell
tumors and, 884
irradiation of, after orchiectomy, in
breast cancer, of male, 201,
215
Placenta, of mouse, intraocular transplants of, 648, 667
Placemety was a control of the control o

Placenta, of mouse, intraocular trans-plants of, 648, 667 Plasmacytoma, carcinoid with, 1013 PLATT, WILLIAM R., jt. au., 438-446 Pleura, osteogenic sarcoma involving, Pleura, os

Pneumonectomy, with radical pan-createctomy and splenectomy, case of, 576-580

case of, 576-580

Polyps, of cervix, 953
preceding endometrial carcinoma, 948, 959, 970
of uterus, carcinoma in situ in, 967
PORTER, KEITH R., jl. au., 853-856
Precancerous cells, in melanoma, 42
PRESSMAN, DAVID: The zone of localization of antibodies. III.
The specific localization of antibodies to rat kidney, 697-700
Progynon, in breast cancer, of male, 195
1:3 Propage diamine 2-chloro N.N.N'.

1:3 Propane diamine 2-chloro N.N.N',-N'-tetrakis (2-chloroethyl). See SK 137

Propane diamine N,N,N',N'-tetrakis (2-chloroethyl). See SK 136

Prostate, cancer of, osseous metastases in, 470 urethane effect on, 470 urethane for, 469-474 carcinoma of, erythrocyte osmotic resistance in, 505

Pteroyl-a-glutamylglutamic acid. See Diopterin Pteroyldiglutamic acid. See Diopterin Pteroyl-y-glutamyl-y-glutamylglutamic acid. See Teropterin Pteroyltriglutamic. See Teropterin

Quenu, Eduard, Frontispiece, facing p. 379

Rabbit, tumors of, primary, multiple, 673-691

Rabbit, tumors of, primary, multiple, 673-691
Radiation. See also Radium therapy; Radon; Roentgen rays in endometrial carcinoma, genesis of, 952, 955 for terminal bronchiolar cancer, 979 Radioactive inotopes. See specific names and symbols Radium therapy. See also Radon in tongue cancer, 422
Radon, needles and seeds of, in lung for terminal bronchiolar cancer, 979 RANDALL, HENRY T., ji. 684, 755-762
Rat, hepatoma of, from p-dimethylaminoazobenzen, 121 tumors of, effect of antireticular cytotoxic serum on, 329
RAILIF, RIGDON K.; BAUM, William C., and BUILER, WILLIAM J.; Bilateral primary carcinoma of the ureter. A case report, 815-818
RAWSON, RULON W.; SKANSE, BENGT

818
RAWSON, RULON W.; SKANSE, BENGT
N.; MARINELLI, L.D., and FLUHARTY, REX G.: Radioactive
iodine. Its use in studying certain functions of normal and
neoplastic thyroid tissues, 279292

202'
jt. ass., 943-945
Raynaud's syndrome, and cryoglobulinemia, in leukemia, lymphocytic, 319-328
von Recklinghausen's disease. See
Osteitis fibrosa cystica
Rectum. See also Intestine, lower
adenocarcinoma of, sponge biopsy in,

611

acenceates as so, sponge notes in cancer of, end results in general hospital, 25-27 metastatic to tube, 808 vein invasion in, incidence of, 431 prognosis and, 435 significance of, 429-437 carcinoids of, 819-837; 1007 case reports of, 823, 1022 carcinoma of, clinicopathological study of, 587-599 incidence of, 587 metastases of, 591 palliative resections in, 767-776 pathology of, 587

pathology of, 587 symptoms of, 594 Respiratory tract, upper, tumors of, plasma-cell, 261-278 RHOADS, C. P., Jt. am., 119-120; 943-945 Ribonucleic acids, cytoplasmic, of en-dometrial gland epithelium, 132-137

137

137
ROBBINS, EDWARD, and SILVERMAN, GERTRUDE: Coexistent bronchogenic carcinoma and active pulmonary tuberculosis, 65-97
Roentgen-ray therapy, for giant-cell tumors, benign, of bone, 293-315 for osteitis fibrosa cystica, 294 osteogenic sarcoma of nose following, 438 for tongue cancer, 422

for tongue cancer, 422 RUSSO, PETER E., jl. au., 789-792

is of cartilaginous tumors,

S28, in diagnosis of cartilaginous tumors, 1089-1092

Sarcoma, chondroblastic, as primary chondrosarcoma, 777

Ewing S, effect of antitolic compounds on, 877

of heart, types of, 247

in Oak Ridge, Tennessee, 573

180, effect of aminopterin on, 491
effect of 4-aminopteroylglutamic acid, on bone marrow of, 863

effect of 4-amino-Na-methyl-pteroylglutamic acid, on bone marrow of, 863

effect of antireticular cytotoxic serum on, in mouse, 335

Sarcoma, cont'd

ema, cont'd
effect of folic acid derivatives on,
57-64
effect of herpes simplex virus on, 520
effect of influenza A (PR8) virus
on, 519
effect of vironer emails.

effect of nitrogen mustards on, 865-876; 1083-1086 food intake and, 870 routes of administration and, 867

routes of administration and, 867 time of implantation and, 869 weight loss and, 867 effect of Russian Far East en-cephalitis virus on, 525-534 histology of. 530

histology of, 530 folic acid reversing aminopterin-induced inhibition, 63, 857-

862 osteogenic, guanazolo for, toxic reac-tions following, 1087 with multiple skeletal and visceral involvement, 789-792 postirradiation, of nasal bone, 438-

446

postirradiation, of nasal bone, 438446
of pancreas, metastastic to lung,
operation for, radical, 576-580
reticulum-cell, effect of antifolic compounds on, 877
of heart, case report, 247
R39, effect of aminopterin on, 497
37, inhibition of, by 10-methyl-1,2benzanthracene and derivatives, 702
39, effect of antireticular cytotoxic
serum on, in rats, 331
inhibition of, by 10-methyl-1,2benzanthracene and derivatives, 702
SCHILLING, J. A.; SNELL, A. C., JR., and
FAVATA, B. V.: Heterologous
ocular transplantation as a practical test for cancer, 480-490
SCHIBIDAPP, Carl J., II., jt. au., 316318
SCHOENBACH, E. B.; GOLDIN, A.; GOLD-

318
SCHOENBACH, E. B.; GOLDIN, A.; GOLD-BERG, B., and ORTEGA, L. G.:
The effect of folic-acid derivatives on sarcoma 180, 57-64
jt. au., 857-862; 865-876

31. au., 851-802; 805-870
Schwartz, Theodore B., and Jager,
B. V.: Cryoglobulinemia and
Raynaud's syndrome in a case of

SCHWARTZ, THEODORE B., and JAGER, B. V.: Cryoglobulinemia and Raynaud's syndrome in a case of chronic lymphocytic leukemia, 319-328
SCHWEIZER, OLGA: Pentothal sodium anesthesia for operations about the head and neck. Experiences with 1004 cases, 223-244
SCOTT, KENNETH G.; BOSTICK, WARREN L.; SHIMKIN, MICHAEL B., and HAMILTON, JOSEPH G.: Distribution of globulin-bound thyroid fractions of iodine in normal and tumorous animals after intravenous administration using radioiodine as a tracer, 692-696
SEED, JOHN C., jt. au., 1067-1074
SELIGMAN, ARNOLD M.; MILDEN, MYON, and PRIEDMAN, ORRIE M.: A study of the inhibition of tumor growth in mice and rats with 10-methyl-1,2-benzanthracene and derivatives related to the nitrogen and sulfur betachloroethyl vesicants, 701-706
Seminoma, effect of antifolic compounds on, 877
in Oak Ridge, Tennessee, 573
SHAPIRO, DANIEL M.; GOLDIN, ABRAHM, LANDING, BENJAMIN H.; BERGNER, A. D.; FAIMAN, FRIEDA, and GOLDIBERG BENJAMIN: Cancer chemotherapy. Analysis of results of different screening techniques with nitrogen-mustard analogues, 100-112 jt. au., 1055-1066
SHIMKIN, MICHAEL, B., jt. au., 692-696
Sigmoid. See also Intestine, lower cancer of, vein invasion in, incidence of, 431 prognosis and, 435 significance of, 429-437

of, 451 prognosis and, 435 significance of, 429-437 arcinoma of, clinicopathological study of, 587-596 incidence of, 587 carcinoma

metastases of, 591 pathology of, 587 symptoms of, 594

SILVERMAN, GERTRUDE, Jl. am., 65-97 SK 136, for leukemia, 13, 15 SK 137, for leukemia, 13 SK 437, for leukemia, 13 SK 596, for leukemia, 13 SK 596, for leukemia, 13 SKANSE, BENC * N., Jl. am., 279-292 Skin, cancer c sponge biopsy in, 611 epidermoid reinoma of, in multiple tumo.s, in rabbit, 675 melanoma of, clinical significance of, 28-55 histogenesis of, 28-55

28-55
histogeneus of, 28-55
mouse, inti-ocular transplants of,
647, 651
nevi of, climical significance of, 28-55
histogenesis of, 28-55
perianal. Paget's disease of, 14415
KKIPPER, HOWARD E.: Carbamates in
the chemotherapy of leukemia.

SKIPPER, HOWARD E.: Carbamates in the chemotherapy of leukemia. V. Observation of a possible anti-leukemic synergism between urethane and methyl-bis (\$\beta\$-chloroethyl) amine, 475-479

SMITH, ROBERT R.; KNUDTSON, WILLIAM L.: Terminal bron-chiolar or "alveolar cell" cancer of the lung. A report of twenty continuous of the lung. A report of twenty of lung. A report of lung. A rep

Sperm cells, effect of nitrogen mustards on, in mice, 1078 Spleen, effect of nitrogen mustards on, in mice, 1059 in Hodgkin's disease, electron micro-scopy of, 853 leukemic, of mouse, nucleic acid in, 510-515

of mouse, intraocular transplants of, 648, 665 nitrogen mustards and, 2, 8, 11

nitrogen mustards and, 2, 8, 11 Splenectomy, with radical pancreatect-omy and left pneumonectomy, case of, 576-580 STANLEY, WENDELL M., jl., 484., 755-762 Statistics, cancer in Oak Ridge, Ten-nessee, 567-575

Stilbestrol, in breast cancer, of male, 194 STOCK, C. CHESTER, jl. au., 119-120; 491-502; 863-864

491-502; 863-864
Stomach, adenocarcinoma of, in rabbit, in multiple tumors, 675
carcinoids of, 1007
carcinoma of, erythrocyte
resistance in, 505
thermal irritation in, 138
disease of, thermal irritation and,

disease of, the

of mouse, intraocular transplants of, 648, 663
STOUT, ARTHUR PURDY: Hemangio-pericytoma. A study of twenty-five new cases, 1027-1054
and KENNEY, FRANCIS R.: Primary plasma-cell tumors of the upper air passages and oral cavity, 261-278
jt. ass. 884-802
STOWELL, ROBERT E.: Alterations in nucleic acids during hepatoma formation in rats fed p-dimethylaminoazobenzene, 121-131

STRAUSS, JOHN S., jl. au., 673-691
SUGURA, KANEMATSU; MOORE, ALICE
And STOCK, C. CHESTER:
The effect of aminopterin on the
growth of carcinoma, sarcoma,
and melanoma in animals, 491-502

SUNDERLAND, DOUGLAS A.: The significance of vein invasion by cancer of the rectum and sigmoid. A microscopic study of 210 cases, 429-437

Syphilis, tongue cancer and, 412

TAYLOR, HOWARD CHANNING, Frontis-piece, facing p. 567

TAYLOR, JENNINGS B., jt. as., 10 giant-ce 1066; 1075-1082 f. as., 10 giant-ce feratoma, benign cystic, of ova argentaffin tumor in, 799-802 ss., 1 62 Test(a) for

granulc Test(s), for cancer, intraocular traingle plants as, 480-490
Testis(es), effect of nitrogen mustar on, in mice, 1061; 1075-108 intersti indu

excision of, for breast cancer, 191-2 1,2,3,4 Tetrakis bis (2-chloroeth) amino butane. See SK 596 Thecoma, of ovary, 952, 953, 970 Thiamine saturation, in uterine cance lymph

effec

T

ofu

remi vasc

98 THIERSCH, J. B.: Bone-marrow changin man after treatment wi multip

in man after treatment wil a minopterin, amethopterin, at a minopterin, amethopterin, at a minoanfol with special reference to megaloblastosis at tumor remission, 877-883 and STOCK, C. CHESTER: Body marrow of mice bearing sa coma 180 treated with 4-amin pteroylglutamic acid and with 4-amino-Nis-methyl-pteroy glutamic acid, 863-864
Thymoma, in rabbit, in multip tumors, 675
Thymus, effect of nitrogen mustard on, in mice, 1059
of mouse, intraocular transplants of 696
Thyroid, diseases of, Ilia stracer, 692
Gyrould, diseases of, Ilia metabolism in 280
normal function of Ilia studies of normal function of Ilia studies of plasm

prima

function of, I181 studies of

normal, function 279-292 tumors of, function of, I¹³¹ studies of 279-292 method of, 283

method of, 283
case reports on, 288
metastases of, 1¹⁰1 studies of, 285
types of, I¹⁰1 studies of, 285
types of, I¹⁰1 studies of, 285
Tissue culture, electron microscopy of
853-856
growth in, intraocular-transplan
growth and, 670
of hemangiopericytoma, 1030
Tobacco, tongue cancer and, 413
Tongue, cancer of, 411-423
diagnosis of, 418
etiological factors in, 411
location of, 414
metastasis in, 417
pathology of, 414
physical findings of, 416
prognosis of, 420
survival in, 421
symptoms of, 455

prognosis of, 420
survival in, 421
symptoms of, 415
treatment of, 422
TONGUE, BARLY ATTEMPTS TO RESECT
FOR CANCER, Frontispiece, facing p. 191
Transplant(s), intraocular, as cancer
test, results of, 483
technique of, 482
heterologous, from mouse, 646-672
homologous, from mouse, 646-672
in multiple tumors, in rabbit,
histology of, 684
technique of, 640
Transplantation. See Transplants
Trauma, tongue cancer and, 412
TREVES, NORMAN: Castration as a
therapeutic measure in cancer of
the male breast, 191-222
Tris (B-chlorocthyl) amine. See HN3,
Nitrogen mustards
Tris (2-hydroxyethyl) amine, systemic
pathological effects of, in mice,
1055-1066
Tuberculosis, pulmonary, and broncho-

Tuberculosis, pulmonary, and bronchogenic carcinoma coexisting, 65-97
Tumor(s), anaplastic, cytoplasmic ribonucleic acids in, 133
argentaffin. See also Carcinoid(s)
in benign cystic ovarian teratoma,
799-802
carcinoid. See Carcinoid(s)
cartilaginous, diagnosis of, by S⁸,
1089-1092
chemotherapy of, nitrogen-mustard
analogues in, in mice, 10551066

1013
in rabbit, 673-691
pulmonary, minute, as early bronchogenic carcinoma, 991-1004
remission of, following antifolic compounds, 877-883
vascular, hemangiopericytoma, 102710

1054

Twombly, Gray H.; Meisel, Doris, and Stout, Arthur Purpy: Leydig-cell tumors induced ex-perimentally in the rat, 884-892

URBAN, JEROME A., and ADAIR, FRANK E.: Sclerosing adenosis, 625-634

Ureter, carcinoma of, primary, bilateral, 815-818

Urethane, lung cancer induced by, in mice, 988 in cancer of prostate, 59-474

in cancer of prostate, 59-474
effect on osseous metastases, 470
systemic effects of, 471
in leukemia, chronic myelocytic, 14
synergism with HN2, in mouse leukemia therapy, 475-479
Uterus, adenocarcinoma of, in multiple
tumors, in rabbit, 674
cancer of, metastatic to tube, 808
thiamine saturation in, 98
carcinoma of, carcinoma in situ with,
967
metastatic, primary sites of, 597

967
metastatic, primary sites of, 597
carcinoma in situ of, changes preceding, 965
histology of, 965
leiomyoma, in multiple tumors, in
rabbit, 674
tumors of, associated conditions, 953

Vagina, epidermoid carcinoma of, in rabbit, in multiple tumors, 675 Vaginal smear. See also Cytology, exfoliative in cancer of cervix, early, 838-844 evaluation of, 615-624

Vein(s), invasion of, in cancer of rectum and sigmoid, 429-437 Vena cava, inferior, partial excision of, in renal tumor, 316-318 Virus(es), effect on tumors, technique used, 518 electron microscopy of material and, 855 hernes simplex, effect on mouse

material and, 855
herpes simplex, effect on mouse
tumors, 516-524
influenza A (PR8), effect on mouse
tumors, 516-524
of mouse mammary carcinoma, isolatumors, 516-522
Russian Far East encephalitis, effect
on sarcoma 180, 525-534
histology of, 530
Vocal cord, carcinoma of, sponge biopsy
in, 611

WALKER, HOWARD S. J., jt. au., 767-776
WALTNER, JULES G., jt. au., 447-468
WATSON, WILLIAM L., jt. au., 447-468
WATSON, WILLIAM L., jt. au., 972-990
WHITMORE, WILLET F., JR., jt. au.,
424-428
WHORTON, C. MERRILL: Primary
malignant tumors of the heart.
Report of a case, 245-260
WILLIAMS, B. S., jt. au., 113-118
WILSON, T. HASTINGS, and LANDMESSER, WALTER E., JR.:
OSMOTIC resistance of crythrocytes from patients with carcinoma, 503-509
WOLFE, JOHN J., and PLATT, WILLIAM

ma, 503-509
Wolff, John J., and Platt, William
R.: Postirradiation osteogenic
sarcoma of the nasal bone. A
report of two cases, 438-446

Young, Millington O., jt. am., 587-596

nsplants o

umor-bea racer, 692

abolism ir

studies of studies of

s of, 285 283 oscopy o transplan 30

RESECTION OF THE PROPERTY IN T s cancer 646-672 , 646-672 546-672 rabbit,

ants n as ancer of ee HN3. ystemic in mice,

roncho ig, 65-97 nic riboid(s) ratoma,

by Sas nustard 1055-

INDEX OF CURRENT Cancer LITERATURE

The word "Cancer" has been omitted from all possible entries in this index. "Cancer control," for example, is indexed under "Control." The word "Cancer" or "Tumor" has also been omitted after anatomical structures, wherever possible.

ABBOTT, O. A., 346, jl. au., 373 Abdominal cavity, 158, 346, 541-2, 713, 900-1, 924 900-1, 924
(rat), myosarcoma in, 749
ABEL, W., 897
ABELL, I., 350
ABELMANN, W. H., jt. au., 373
ABELS, J. C., jt. au., 377
ABESHOVSE, B. S., 362
Abscess, lung, 373
due to bronchial cancer, 743
paraeceal, with cecum cancer, 721
Acetaminofluorene, as carcinogen, 185, 562, 563, 749
distribution in rat after one feeding, 565 565 n-Acetyl-2-aminofluorene, see Acet-aminofluorene Acetylcholine, for leiomyoma of skin, Acetylcholine, for leiomyoma of skin, 176
Achlorhydria, and gastric disease, 718
ACHS, S., Jt. au., 555
Acidification, local, of gastrointestinal tissue and cancer, 720
Acid phosphatase, see Phosphatase
ACKERMAN, A. J., 557, Jt. au., 931
ACKERMAN, L. V., 175, 350
ACKERMAN, L. V., 175, 350
ACKERMAN, M., 905
ACOSTA-SISON, H., 167, 551
Acoustic nerve, 177
Acridine, as carcinogen, 936
derivatives, effect on cells, 747
ACS, see Antireticular cytotoxic serum ACS, see Antireticular cytotoxic serum ACTH, see Adrenocorticotropic hor-ACTH, see Adrenocorticotropic hormone
Actinic rays, see Sunlight
ACUFF, H., 342, 712, 721
Acylpyruvase, in tumor tissue, 377
ADAIR, F. E., jt. au., 543
Adamantinoma, 160, 349, 371, 557, 716, 742, 930
Adenoscanthoma, 349
ADAMS, A. W., 546, 720
ADAMS, G., 543
ADAMS, G., 343
ADAMS, G., 343
ADAMS, W., 592
ADAMSON, W. W., 715
ADELSON, L., 163
AGENCALON, W. W., 715
AGENCALON, W., 715
AGENCALON, W. W., 715
AGENCALON, mone caperimentat, 747
with melanoma, 908
(dog), 942
(mouse), 750, 935
effect of mustard gas derivative on,
941 Adenocystoma lymphomatosum, papillary, 905
Adenofibroma, 731
Adenofibrosarcoma, 714
Adenofibrosarcoma, 714
Adenolymphoma, 161, 544, 905
Adenoma, 158, 165, 167, 170, 180, 353, 355, 356, 371, 372, 374, 549, 558, 716, 720, 723, 724, 725, 743, 744, 905, 910, 911, 932
cystic, 917
experimental, 747
fetal-cell, 725
oxyohilic granular-cell, 904 oxyphilic granular-cell, 904 sebaceous, with moles, 738

virilizing, 724 (dog), 189 (mouse), induced by urethane, 751 postnatal, after prenatal urethane, 376 (rat), 186, 187, 562, 938 Adenomatosis, 160, 181, 373, 722 Adenopathy, See also Lymphaden-Adenopathy. See also Lymphaden-opathy cancerous, of groin, surgery, 899 mediastinal, simulated by oat-celled mediastinal, simulated by oat-celled carcinoma, 745 metastatic, 713 ADLER, D. K., jt. au., 897 Adrenal(s), 165, 356, 361, 374, 548, 559, 724-5, 746, 911. See also Hypernephroma aberrant tissue, 164, 922 cortex, androgenic-symptom tumors, castration-induced tumors, and in-herited hormonal influence, 942 corticosuprarenoma, 724
function, and leukemia, 173
in various conditions, 734
(animal), changes due to transplanted tumors, 376
(mouse), 751
effect of Servatia marcescens polysaccharide, 749
hormone secretion by adrenocortical tumors, 375, 940
Adrenocortical extract, effect on carbohydrate metabolism in stomach cancer, 377
effect on mouse tumors, 749
Adrenocorticotropic hormone, for myasthenia gravis, 166
ADSON, A. W., 369, 739, 1t. au., 369, 740
Afibrinogenemia, 920
Age, and cancer, 154, 342, 708
and disease, 894
and estrogen-induced lymphoid tumors in mouse, 939 corticosuprarenoma, 724 tumors in mouse, 939 and irradiation lymphoma in mouse, 185 and irradiation lymphoma in mouse, 185
and ovarian cancer, 361
AGGELER, P. M., jt. au., 746
Agranulocytosis and leukoses, 553
AHLQUIST, R. E., 906
AIDAROS, S. M., jt. au., 933
Air, use as antispasmodic in differential diagnosis, 709
ALAJOUANINE, T., 927
di-Alanine, incorporation into proteins of rat-liver slices, 188
ALBERS, D. D., 732
ALBERTO, G., jt. au., 902
ALBOT, jt. au., 907
ALBURN, H. E., jt. au., 566
Aldolase in serum and tissue of tumorbearing animals, 753
ALDERBOGS, W. M., 367
ALEXANDER, E., JR., 556
ALFIN-SLATER, R. B., 747
jt. au., 941
Algeria, statistics, mandibular sarcoma, 71
ditaline phosphatase, see Phosphatase
ALLEN, A. C., 554 716
Alkaline phosphatase, see Phosphatase
Allen, A. C., 554
Allen, B., ji, au., 186
Allen, J. G., ji, au., 184
Allen, R. M., 343
Allen, M. M., 343
Allen, W. E., Jr., 357
Allen, W. LIAMS, D. J., 559
Allende, J. M., 181

ALLING, B. L., ji. au., 927
Alloxan diabetes in rat and benzpyrene sarcoma, 184
ALLSOPP, C. B., ji. au., 747
ALMEIDA, A. O. DE, 344
ALMY, G. N., ji. au., 156
ALONZO, J. M., 930
ALPERS, B. J., 177
Alpha rays, interaction with matter, 712
ALSEN, P., 164
ALT, H., ji. au., 736
ALTHOFF, C. C., ji. au., 171
ALTMAN, L. S., 163
ALTMAN, V., 352
ALTON, F. C., 915
ALTSCHUL, R., 747
ALVAREZ, G. H., 931
ALVAREZ, G. H., 931
ALVAREZ NAVARRO, E., 894
Alveolar ridge, 554
Alveolar ridge, 554
Alveolar ridge, 554
Alveolar, 11, au., 900
AMERSBACH, J. C., 738
Amethopterin, effect on transplanted mouse leukemia, 560
therapy, 923
Aminoacid, in rat fibrosarcoma, 940
Aminoacid, in rat fibrosarcoma, 940
Aminoacodye, tumors, and riboflavin content of rat liver, 188
O-Aminoacodye, tumors, and riboflavin content of rat liver, 188
O-Aminoacodye, tumors, and riboflavin content of rat liver, 188
O-Aminoacodye, tumors, and riboflavin content of rat liver, 188
O-Aminoacodye, tumors, and riboflavin content of rat liver, 188
O-Aminoacodye, tumors, and riboflavin content of rat liver, 188
O-Aminoacodye, tumors, and riboflavin content of rat liver, 188
O-Aminoacodye, tumors, and riboflavin content of rat liver, 188
O-Aminoacodye, tumors, and riboflavin content of rat liver, 188
O-Aminoacodye, tumors, and riboflavin content of rat liver, 188
O-Aminoacodye, tumors, and riboflavin content of rat liver, 188
O-Aminoacodye, tumors, and riboflavin content of rat liver, 189
O-Aminoacodye, tumors, and riboflavin content of rat liver, 189
O-Aminoacodye, tumors, and riboflavin content of rat liver, 189
O-Aminoacodye, tumors, and riboflavin content of rat liver, 189
O-Aminoacodye, tumors, and riboflavin content of rat liver, 189
O-Aminoacodye, tumors, and riboflavin content of rat liver, 189
O-Aminoacodye, tumors, and riboflavin content of rat liver, 189
O-Aminoacodye, tumors, and riboflavin content of rat liver, 189
O-Aminoacodye, tumors, and riboflavin content of rat liver, 189
O-Aminoacodye, tumors, and riboflavin content of rat liver, 189
O-Aminoacodye, tum y39 mouse sarcoma, 750 transplanted mouse leukemia, 560 transplanted mouse mammary tumors, 938 therapy, 174, 366, 735, 736, 746, therapy, 174, 366, 735, 736, 746, 923
4-Aminopteroyl-glutamic acid, see Aminopteroyl-glutamic acid, see Aminothiazole for radiosensitization of thyroid epithelioma, 912
Ampulla of Vater, 548, 742, 907, 910
AMSTERDAM, H. J., 543
AMTMAN, L. Ji. au., 752
AMY, H. E., 172, 366
AMYOT, L. B., 169
Analgesics, 539, 897
Anastomoses, See also Pancreaticoduodenectomy; Surgery esophageal, 161, 717, 905
ileorectal, 547
ureterocolic, 918, 919
ureterointestinal, 732
ureterosigmoid, 362, 918, 919
ANCONA, V. C., Ji. au., 355
Ancylostoma diuodenale infection for polycethemia, 172
ANDERES, R. L., 189
ANDERSON, S. R., 740
ANDERSON, D. M., Ji. au., 548
ANDERSON, D. M., Ji. au., 548
ANDERSON, W., Ji. au., 538

AN AN AN An An

An

An

An

An

An An An An An An

An An An An An An

An

An

An

An An

An An An D'A

Ap

Ap

Andreassen, M., 347
Andrews, G. A., 31. am., 174
Andrews, G. C., 554, 710
Andrews, G. C., 554, 710
Androgen, therapy, breast cancer, 156, 159, 542, 710
pelvic cancer, 357, 710
urinary, in adrenal tumors, 356, 724
Androstenediol therapy, see Androgen
therapy.
Anemia, and blood viscosity, 172
aplastic, and myeloma, 172
blood transfusions in, 539
hemolytic, with Hodgkin's disease,
367
myelogenic, with cancerous osteosis, myelogenic, with cancerous osteosis, 928
pernicious, bone marrow puncture in diagnosis, 539
treated by transurethral prostatic resection, 922
with leukemia, 735
with stomach cancer, 350
simulated by jejunal epithelioma, 720
splenic, with erythroleukemia, 736
(dog), with fibrosarcoma, 378
Anesthesia, 372, 712
Aneurysm, aortic, rupture into esophageal cancer, 905
with bronchial adenocarcinoma, 372 archenial adenocarcinoma, 372 intracranial, simulated by metastatic cancer, 168
ANGHELESCO, V., 934
Angioautography, 899
Angioautography in diagnosis of lung tumors, 745
Angiography, vertebral, 740
Angioma, 348, 349, 558, 716, 740, 903, 918
sclerosing, 715 sclerosing, 715 Angiomatosis, central nervous system, Angiomatosis, central nervous system, Angiomatosis, central nervous system, Angioreticulosarcoma, 903
Angiosarcoma, 722, 742, 903
Angiosarcoma, 722, 742, 903
ANGLE, R. G., Ji. aw., 724
ANGLESI, G., Ji. aw., 903
ANGRIST, A., Ji. aw., 181
ANGUERA, A. O., Ji. aw., 181
ANGUERA, A. O., Ji. aw., 171
ANGULI, V. C., 370
Animal experimentation, 184-7, 375-6, 500-4, 748-52, 937-9
Aninopterin therapy, 923
ANKER, M., 740
ANINO, 155, 708, 894 (twice)
ANTHONY, D. J., 753
Anthracene, as carcinogen, 936
Anthracene, as carcinogen, 936 177 ANTHONY, D. J., 753
Anthracene, as carcinogen, 936
Anthracene oil, cause of epithelioma, 738
ANTI, L., 3l. as., 736
Antibiotics, for cancer, 561
for leukemia, 174
Anticarcinogens, 538. See also specific substances
Anticoagulants, for polycythemia vera with coronary occlusion, 736
Antiolic acid derivatives, see Folic acid antaconists

rene

ter,

ted

vin to c

560

46.

mof

uo-

for

Antinica cata derivatives, see Foica acid
Antihistamine drugs, and radiation
sickness, 344
ointments for skin protection in
radiotherapy, 898
Antimony salts for myeloid leukemia,
730 Anti-mouse-kidney serum, 747 Antiproteolytic activity of serum, as cancer test, 539 Antireticular cytotoxic serum, 563, 710, 749
Antireticular cytotoxic serum, 563, 710, 749
Antispasmodics, use in differential diagnosis, 709
ANTOINE, M., jt. au., 905
ANTONIO, D., Js., 169, 171
Antrum, see Simuses, paranasal p'ANTUONO, G., 904
Anus, 163-4, 548, 722, 909
Aorta, perforation, due to esophageal cancer, 349
Apcrine tissue, and breast cancer, 543 and mastitis, 543
APPEL, M., jt. au., 748, 931
Appendix, 352, 546, 721
APPLEYARD, R. K., jt. au., 559 Antireticular cytotoxic serum, 563, 710,

APTEKMAN, P. M., jl. au., 565 ARAGONA, F., 910 ARCHER, G. F., 162 ARENAS, N., 730, 913 ARESU, P., jl. au., 713 AREY, J. B., jl. au., 746 Argentaffinoma, 546,721 Argentaffinoma, 546,721 AREY, J. B., jf. as., 746
Argentian, cancer clinics, 895
Argentian, as., 733
AREL, I. M., 548, 710, jf. as., 344, 930
ARKIN, A. M., jf. as., 742
ARMINSKI, T. C., 722, 910
ARMSTRORG, A. R., 538
ARNESEN, K., jf. as., 749
ARNESEN, K., jf. as., 749
ARNESEN, K., jf. as., 749
ARNESEN, K., jf. as., 759
ARNOLD, H. L., Js., 554
Aromatic molecules, electronic structure, 936
ARONS, I., 179
Arrhenoblastoma, 169, 552
ARRIGHI, L., jf. as., 730
Arsenic, as carcinogen, 538
radioactive, see Radioarsenic
ARTHUR, L. M., 170
As., see Radioarsenic
ASDESCOSS and Cancer, 559
ASCHKENASY, A., jf. as., 736
ASCITES, in Meigs's syndrome, 169
with pancreatic cancer, 910
peritoneal mesothelioma, 713
Ascorbic acid, in human cancer tissue, 564
in mouse and rat liver, effect of carcinogens on, 564 peritoneal mesothelioma, 713
Ascorbic acid, in human cancer tissue, 564
in mouse and rat liver, effect of carcinogens on, 564
Ash, J. E., 368
Ashworth, C. T., 3i. as., 727
Ashkenazy, M., ji. as., 555
Astrolyastoma, 177, 740, 926, 934
Atcheson, D. W., 362
Atcheson, D. W., 362
Atkins, H., 159
Atkins, M., Ji. as., 899
Auditory meatus, see Ear
Auerbach, M., Ji. as., 899
Auditory meatus, see Ear
Auerbach, O., 931
Aufses, A. H., ji. as., 181, 370
Autoangoraphy, see Angioautography
Autoangoraphy, see Nagioautography
Autoandography, see Radioautography
Avian tumors, see Tumors (avian)
Axelrod, M., 922
Avash, J. J., si. as., 735
Axelrod, M., 922
Avash, J. J., si. as., 717
Avlett, S. O., 908
Ayre, J. E., 168, 538
Ayres, W. W., 538
Azevedo, S., 342, 368
Azo dyes, See also Specific azo compounds
as carcinogens, 562, 566, 752
effect on liver proteins, 940
2,3-Azotoluene, see Azo dyes
Babcock, W. W., 547
Babcock'e operation, 354. See also BABCOCK, W. W., 547
Babcock's operation, 354. See also
Sphincter function, preservation.
BACLESSE, F., 902, 913, 930
BACON, H. E., 163, 325, 547, 722, 908
BADGER, G. M., 752
BAEKELAND, W., 370
BAILEY, H., 710
BAILEY, L. K., Ji. au., 942
BARD, J. A., Ji. au., 371
BAILEY, H., 716
BAKER, B. J., 564
BAKER, B. L., 564
BAKER, E. M., 727
BAKER, G. S., 733
BAKER, R. F., Ji. au., 753
BAKER, R. F., Ji. au., 753
BAKER, R. L., 178
BAL, and cobalt-induced polycythemia
in rats, 375
as anticarcinogen, 561 BABCOCK, W. W., 547

in rats, 375
as anticarcinogen, 561
Ball, T. L., 169
Ballantinogen, 561
Ball, T. L., 169
Ballantins, H. T., Jr., 558
Balmes, A., ji. as., 900, 931
Baltz, D. A., ji. as., 922
Baraldi, A., 158
Barbera, L., 158
Barbera, I., ji. as., 736
Baretz, I., ji. as., 736
Baretz, I., ji. as., 736
Baretz, L., H. 170
Bariety, M., 179, 734, 743
Barigozzi, C., 184, 709

BARNARD, R. W., 553
BARNES, R. W., 553
BARNES, R. W., 553
BARNES, C. S., ji. am., 905
BARNIM, E. N., 926
BARON, G. J., ji. am., 728
BARONOPSKY, I. D., 156
BARRETT, M. K., 350
BARRET, S. C., 724
Bartholin's gland, 727, 913
BARTIELY, S. P., 154
BASILE, A., 737
BASILE, A., 737
BASILE, A., 737
BASILE, A., 350
BAUBLE, W., 538
BAIRS, F. E., 344
BAUD, J., 357, 914
BAUD, J., 361, 614, 922
BAULD, W., 533
BALLEY, R. D., ji. am., 358
BAUBANN, C. A., ji. am., 908
BAXTER, A. J., 378
BAYLEY, M. A., 916
BAYOUMI, M. L., 725
BAYRD, E. D., 173, 178, 366
BEARE, J. B., 917
BEASLEY, B. T., 728
BEATTY, R. P., 733
BEAUJEU, A. J., DE, ji. am., 924
BEAYER, R. D., ji. am., 558
BECK, L. V., 184, ji. am., 749
BECKHERE, C., ji. am., 558
BECK, L. V., 184, ji. am., 749
BECKHER, W. F., ji. am., 157
BELAL, A., 556
BERMANN, H., 172
BENHEY, C. A., 168
BEHREND, M., 157
BELLAL, A., 556
BEHREND, M., 157
BELLAL, A., 556
BELER, N. J., ji. am., 157
BELLAL, A., 556
BELER, N. J., ji. am., 562
BELLE, H. G., ji. am., 176, 721
BENDER, D. H., 559
BENDER, D. H., 559
BENDER, L. J., 108
BENNASHER, S., 734
Bennash, J., 178
BENNASHER, S., 734
Bennash, J., 178
BENNASHER, S., 734
Bennash, J., 178
BENNAMN, E., W., 737
BENNAMN, E., W., 737
BENNAMN, E., W., 737
BENNAMN, B., 178
BENNAMN, J., am., 364
BENNASHER, S., 734
Bennash, J., 184, 180, 931
Bennash, J., 178
Bennash, J., 179
Bennash, J., 179
Bennash, J., 184, 185
Berencsin, J., ji. am., 364
Bennash, J., 184,

BERNHARD, A., 564
BERNHARD, W. G., ji. as., 922
BERNICK, S., 178, 348, 544
BERNING, N., ji. as., 749
BERNORILL R., 942
BERNSTEIN, A., ji. as., 740
BERNSTEIN, C. ji. as., 720
BERNSTEIN, C. ji. as., 174
BERNSTEIN, W. C., 548
BERNY, H. M., J. J., ji. as., 349
BERZADON, J., ji. as., 158
BERNY, H. M., J. J., as., 158
BESSON, R., ji. as., 931
BEST, R. R., 553, 547
Beta rays, effect on rat tissue, 747
interaction with matter, 712
therapy, 157, 898
Betasynchrotron, 559
Betastron, use in therapy, 156
BETHALL, F. H., ji. as., 174
BETUNLIERS, P., 928
BETTINGTON, R. H., ji. as., 174
BETUNLIERS, P., 928
BETTINGTON, R. H., ji. as., 174
BETUNLIERS, P., 928
BETTINGTON, R. H., ji. as., 742
BILLINGHAM, J. W., 556
BEVER, T. E., 544, 716
BILANCHI, M., 726
BILANCO, A., 901
BICLEL, J., 366, 933
BICKERS, W., 359
BIERMAN, H. B., 173
BINDRORD, C. H., ji. as., 744
BILLINGHAM, R. E., 377
BINFORD, C. H., ji. as., 744
BILLINGHAM, R. E., 377
BINFORD, C. H., ji. as., 744
BINKLEY, G. E., 352
Biological Reactions Caused by Electric Lurrents and by X-Rays
(book review), 345
Biopsy, bone, 742
bone marrow, 539, 553, 709, 734, 735, presst, 901 924 924 breast, 901 cervix, 168, 727, 728 gastrointestinal tract, 160 genitourinary tract, 164, 170 liver, 355, 724, 910 lung, 744, 932 lymph node, 343, 709 metulloblastoma, 926 serial as wide to treatment of live, 353, 744, 932
lymph node, 343, 709
medulloblastoma, 926
serial, as guide to treatment of cervix
cancer, 358
transurethral, 918
use in cancer disgnosis, 896
dermatology, 176
obstetrics and gynecology, 168
otolaryngology, 179
with gelatin sponge, 896
BIRABEN, J., ji. au., 925
BIRO, I., 545
BIRGE, H. L., 927
BIRGE, R. F., 343
BIRNBERG, C. H., ji. au., 916
BISGARD, J. D., 370
BISHOP, F. H., ji. au., 907
BISHOP, F. H., ji. au., 907
BISHOP, F. H., ji. au., 907
BITNIER, J., 188, 375, 942, ji. au., 375, 566
BIOKE, H., 742
BIACK, B. M., 165, 353
BIACK, C. E., 720
BIACK, J. J., 188, 375, 942, ji. au., 375, 566
BIACK, J. I. M., 930
BIACK, W. A., 163
BIACK, J. J., 189, See also
Genitourinary tract
cancer, and bilharziasis, 171
in diverticulum, 362
BIANY, J. V., ji. au., 372
BIAND, D., ji. au., 372
BIAND, D., ji. au., 178
Blastoma, of mesenchyme of bone, 928
BIACK, M., 914
BIASHOMA, S., ji. au., 749
BIALOUH, B., ji. au., 749
BIALOUH, B., ji. au., 178
BIALOUH, B., ji. au., 184
BIALOUH, M., ji. au., 184
BICOLE, P., J., 556
BLOCK, M., Ji. au., 184
effect of urethane on, 186
increased volume in mouse with gen mustards, 184
effect of urethane on, 186
increased volume in mouse of granulosa-cell tumors, 753

with

CANCER November 1949

oxygen saturation in polycythemia vera, 554 regeneration in gastrointestinal cancer, 719 transfusions, in leukemia, 539, 736 precautions necessary in various diseases, 539 viscosity in anemia and polycythemia, 120 memors, or conditions Bloom, F., ji. au., 188 BLOOM, M. A., 928 BLOOM, W. ji. au., 928 BLOOM, W. L., ji. au., 188 BLOOM, W. L., ji. au., 182 BLOOM, W. L., ji. au., 928 BLOOM, W. L., ji. au., 752 BLOOMER, W. E., 181 BLOOR, W. R., ji. au., 752 BLOOMER, W. E., 181 BLOOR, W. R., ji. au., 752 BLOOMER, W. F., 181 BLOOR, W. R., ji. au., 372 BLOMER, J. C., ji. au., 372 BOLLOM, J. C., ji. au., 372 BOLLOM, J. C., ji. au., 373 BOLLOM, J. C., ji. au., 372 BOLLOM, J. C., ji. au., 372 BOLLOM, J. C., ji. au., 372 BOLERR, M., ji. au., 155, 182, 897, 922 BOLERR, N., 906 BOLOGNA, N., 735 BOLITON, V. L., ji. au., 718 BONANDINI, B., 744 BONE formation in skin and muscle, 374 Bone marrow, carcinomatosis, 734 examination, see Biopsy, bone mar-Bone Iofination in sain an interest, 374
examination, see Biopsy, bone marBone marrow, carcinomatosis, 734
examination, see Biopsy, bone marBonnard, A., 903, 921
Booher, R. J., jt. as., 546
Book reviews, 155, 156, 180, 342, 345, 540, 541, 545, 708, 711, 894, 928
Boone, W. H., 925
Boragina, R. C., jt. as., 564
Borages, E. J., 156
Boron, 349
Boros, J. v., 173
Bortmann classification, 350, 351
Bortick, W. L., 553, 713
Borthe, A. E., 362
Botsztejn, 173, 917
Bouchard, J., jt. as., 926
Boucot, K. R., 931
Boulware, T. M., 728
Bowden, L., jt. as., 169, 370
Bowen's disease, 728, 738. See also
Cancer, preinvasive
Bower, E., 546
Bowers, J. M., 548
Bowers, J. M., 548
Bowers, I. Z., jt. as., 900
Bowler, H., jt., as., 156, 550, 913
Bowler, G. E., 378
Bowman, F. B., 547
Boyack, G., 346
Boyd, D. M., 342
Branstad, F. W., 548
Brabour, J. A., jt. as., 374
Brachetto-Brian, D., 928
Brabbury, J. A., jt. as., 895
Brabbury, R. H., 566, 157, 167 Bone marrow, carcinomatosis, 734 examination, see Biopsy, bone mar-BRABSON, J. A., ji. al., 374
BRACHETIO-BRIAN, D., 928
BRADBURY, I. T., ji. al., 895
BRADBURY, R. H., 566
BRADFORD, M. L., ji. al., 157, 167
BRAESTRUP, C. B., 710
BRAITHWAITE, F., 368
BRAMS, W. M., ji. al., 914
BRAITHWAITE, F., 368
BRAMS, W. M., ji. al., 914
BRANCH, J. R. B., 708
BRAUNSTEIN, L. E., 903
BRAY, W. E. JR., 708
BREA, M. M., 931
BREA, M. M., 931
BREA, M. M., 931
BREA, M. M. J., 559
Breast, cancer, 158-60, 164, 347-8, 356, 357, 542, 713-5, 897
bilateral, 158
Broders's classification, 901
during lactation, 901
during lactation, 901
during lactation, 901
local recurrence, 347
inflammatory carcinoma, 542, 543
male, 158, 159, 543, 714, 715, 901, 902. See also Gynecomastia
papillomas, 348
precancerous conditions, 347
(mouse), 2-acetaminofluorene tumors
and sex hormones, 749
adenocarcinoma, 750
age and carcinogenesis after milk
agent, 3750
agent agent, 3750 age and carcinogenesis after milk agent, 375 cancer, causes and control, 375 genesis, 942

genetic factors, 188
in castrate males with ovarian grafts, 751
tumors and pollenized food, 376
in males with ovarian grafts, 375
BREDD, H. E., jl. au., 156
BREDD, H. E., jl. au., 359
BREDIS, C., jl. au., 539
BREDIS, C., jl. au., 539
BREDIS, C., jl. au., 538
BREDISHACH, L., 722
BRENDLER, H., 733
BREDISHACH, L., 722
BRENDLER, H., 733
BRETIER, jl. au., 906
BRETION, R., jl. au., 900
BRETION, R., jl. au., 900
BRETION, R., jl. au., 720, 910
BREWER, A. B., 370
BREWER, A. B., 370
BREWER, A. B., 370
BREWER, L. A., III, 161, 180
BREWER, T. J., jl. au., 725
BRILMAN, R. P., jl. au., 348
BRINDLEY, G. V., JR., 373, 895
BRINDLEY, G. V., JR., 373, 895
BRINDLEY, G. V., JR., 374
BRISTOL, L. D., 342
BRITO, J. A. DE, 356
BROCK, R. C., 372, 743
BROCKINGTON, W. S., jl. au., 905
BROCC, P., 359
Broder's classification of breast cancer, 900
BRODEY, A., jl. au., 176
BRODEY, A., jl. au., 176
BRODEY, A., jl. au., 743 901

BRODEY, A., jl. au., 176

BRODEN, A. jl. au., 176

BRODEN, A. E., jl. au., 179

BRODY, E. B., jl. au., 369

BROLLO, R., 901, jl. au., 921

BROLLO, R., 901, jl. au., 921

BRODEN, C., 901, jl. au., 921

BRODEN, C., jl. au., 369

BROLLO, R., 901, jl. au., 921

BRODEN, C., Jl. au., 920

BROLLO, R., 901, jl. au., 921

BRODEN, 901, jl. au., 921

BRODEN, 901, jl. au., 921

BRODEN, 901, jl. au., 921

Bronehography in diagnosis of bronchography in diagnosis of bronchogonic cancer, 373

BRONE, T. T., 748, jl. au., 931

BRONNER, A. 925

BRONN, T. T., 748, jl. au., 931

BRONNER, A. 925

BRONN, T. T., 748, jl. au., 931

BRONNER, A. 925

BROWN, A. G., Jl. au., 158

BROWN, C. A., Jl. au., 158

BROWN, C. B., jl. au., 150

BROWN, C. B., jl. au., 171

BROWN, W. E., 895

BROWN, W. M. C., 344

BROWN, W. J., 348

BROYLES, E. N., jl. au., 179

BRUCE, G. M., 548

BRUES, A. M., jl. au., 160

BRUES, A. M., jl. au., 179

BRUES, M. M., jl. au., 189

BRUES, A. M., jl. au., 189

BRUNNER, H., 178

BRUNNER, H., 178

BRUNNER, H., 178

BRUNNER, H., 178

BUCHBR, C., jl. au., 187

BRYAN, C. E., 934, jl. au., 187

BRYAN, C. E., 934, jl. au., 187

BRYAN, A. L., 725

BULLDUGH, W. S., 728

BULLOUGH, W. S., 728

BURLELL, M., 939

BULLEL, M., 939

BULLELL, M., 939

BURCHELL, J., 11, au., 168

BURCHELL, J., 11, au., 160

BURCHELL, J., 188, 377

BBB

Car

CAI CAI CAI CAI CAI CAI CAI CAI

BURDICK, W. F., 374, 559
BURGES, E. S., 916
BURGESS, J. W., 942
BURK, D., jt. au., 748, 934
BURK, L. B., Jk., 166
BURN SCA, W. B., Jk., 189
BURR, H. B., jt. au., 999
BURR, H. S., jt. au., 726
BURR, H. S., jt. au., 726
BURR, L. C., 538
BURRELL, N. L., 361
BURT, C. A. V., 721
BUSCH, E., 739
BUSCHKE, F., 741
BUSER, J. W., jt. au., 716
BUSH, F., 540
BUSH, T., 540
BUSH, T., 377, jt. au., 154, 342, 708
BUSK, L., 173
BUTCHART, J. B., jt. au., 728
BUTCHART, J. B., jt. au., 749
BUSCH, W. L., jt. au., 936
BUXTON, C. L., jt. au., 749
DUBUY, H. G., jt. au., 748, 934
BYENCN, F. X., jt. au., 748
BYENCN, F. X., jt. au., 558
CABBERS, R., jt. au., 578
CABBERS, R., jt. au., 735

an

75

er.

4.

us

al n-

13.

21,

jl.

BYERLY, W. L., 542
BYRON, F. X., ji. au., 558

CABANNES, R., ji. au., 735
CABRERA, R. G., 730
CACCIA, G., 726
CACHIN, M., ji. au., 733
CADE, S., 156, 347, 539, 898
CADY, J. B., 181
CAHILL, G. F., 165, 361, 911
CAHIL, G. F., 165, 361, 911
CAHLLO, F., 930
Calcinosis, 737
Calcium, radioactive, see Radiocalcium
Calcium ion exchanges, in epidermal
calcium ion exchanges, in epidermal
calcium ion exchanges, in epidermal
Calcium, 370
CALDWELL, J. D., ji. au., 168
CAHDUN, C. W., ji. au., 732
California Cancer Commission Studies,
164, 170, 347, 552, 553, 557, 731,
739, 915
CALKINS, L. A., 357
CALWET, J., 903
CAMBIES, 72, 552
CAMBIOS, J., 22
CAMBIOS, J., 22
CAMBIOS, J., 340, 747
CAMES, O., ji. au., 747
CAMES, O., ji. au., 747
CAMES, O., ji. au., 710
CAMPSELL, C. G., 160
CAMPSELL, C. G., 160
CAMPSELL, D. A., 715, ji. au., 728
CAMPBELL, E. W., 909
Canada, statistics, 342
Cancer, and xeroderma pigmentosum,
bistory of, 708
history of, 708

Canada, statistics, 342
Cancer, and xeroderma pigmentosum, 555
bibliography, 708
history of, 708
industrial, see Industrial cancer
in infants and children, see Infants
and children
invasiveness studies, 183. See also
Carcinoma, invasive
models for teaching, 708
preinvasive, 168, 728. See also
Bowen's disease
presymptomatic, 896
simulating other conditions, 168, 172,
182, 355, 541, 720, 734, 737,
741, 745
simulated by other conditions, 180,
546, 551, 552, 554, 734, 741,
743, 903, 908, 909
small-celled, see Carcinoma, oatcelled
terminal, management, 539
theories, see Pathogenesis, theories
Cancer of Bsophagus and Gastric
Cardia (book review), 545
CANIEARES VERSÓN, R., 915
CANNEN, R. L., 543
CANTRIL, S., 903
CANTRIL, S., 903
CANTRILS, T., Jt. au., 741
CAPPS, F. C. W., 558
CAPPS, S. C., Jt. au., 559
CARAJOD, E., 906
Carbamates, See also Urethane
effect on mouse leukemia, 184, 748
procedure for screening leukotoxic

therapy, 934, 937 Carbohydrate metabolism in stomach cancer, 377 Carbonic anhydrase in neoplastic tissue, 566

Carcinocline, 154
Carcinocline, 154
Carcinocline, 154
Carcinogens, See also Specific substances and mutations in Drosophila, 377
as antibiotics, 941
chemical, 538, 708
effect on mitochondria, 936
mouse blood vessels, 185
interruptions in administration and tumor formation, 376
in man, 538
mechanism of action, 896
of avian tumors, 374
Carcinoids, 163, 352, 546, 719, 721, 907
Carcinoma, alveolar-cell, 744
anaplastic, 913
basal-cell, 554, 739, 913, 926. See
also Ulcer, rodent
colloid, 163, 164
embryonal, 160, 553
epidermoid, 168, 181, 349, 727, 738,
granulosa-cell, 730 Carcinocline, 154

granulosa-cell, 730 inflammatory, of breast, 542, 543 in situ, 168, 731 invasive, 168 medullary, 347 mucinous, 713 noninvasive, 727 oat-cell, 180, 181, 744, 745 papillary, 913, 930 preinvasive, 168 scirrhous, 714 spheroidal-cell, 171

941

(rat), 750, 935
effect of mustard gas derivatives,
941
Carcinosarcoma, 176, 905
Carcinosis, generalized, 894
Cardia of stomach, see Stomach
Cardia of stomach, see Stomach
Cardia of stomach, see Stomach
Cardiovascular system, 160, 348, 543-4,
715-5, 903
CARDWELL, E. S., Jr., jt. au., 168
Care of the Aging and the Aged (book
review), 804
CAREY, C. M., jt. au., 916
CARDICHAEL, N., jt. au., 560
CAROLI, J., 733
CARCHILI, J. B., jt. au., 917
CARPENDALE, M. T. F., 737
CARR, D., jt. au., 800
CARR, J. G., 377, jt. au., 377
CARR, D., jt. au., 378
CARRUTHERS, C., 375, 939
CARSTAM, N., 722
CARTER, B., jt. au., 359, 727
CARTER, B., jt. au., 359, 737
CASIBNAN, B. Z., 730
CASON, J. F., jt. au., 184
CASPULL, V. S. 51
CASTLEMAN, B., jt. au., 172
CASPER, W. A., 168
CASTELLI, V. S. 51
CASTLEMAN, B., jt. au., 906, 911
CASTLENAN, B., jt. au., 906, 911
CASTLENAN, B., jt. au., 906, 917
CASTLENAN, B., jt. au., 918

male breast cancer, 715
prostate cancer, 364, 365, 919
prophylactic, with hysterectomy, 916
CASTRO, M. DE, 738
Catalase activity, of liver of cancerous rat, 753 CATANIA, V. C., 160

Catheptic activity, in tumor-bearing rats, 185, 18. Jt. am., 719
CATLIN, D., 716
CATIELL, R. B., 164, 352, 723, 910
CAULK, R. M., 550
CAVE, P., 709
CAVE, W. H., 914
CAWKWELL, W. I., 353
CAVER, D., 3t. am., 898
CAZABAN, R., 3t. am., 898
CAZABAN, R., 3t. am., 927
CECUM, 352, 353, 374, 721
CEDERMARK, J., 739
CELICE, J., 743
Cell. See also Mitosis morphologic changes with death, 184

ell. See also Mitosis
morphologic changes with death, 184
nucleus, desoxyribonucleic acid content, 942
in cancer diagnosis, 709
mouse adenocarcinoma and rat
carcinoma, 935
interphase, 935
structure and pattern, 183
proliferation, effect on of substances
in cancer blood and urine, 937
entral nervous system. See also

entral nervous system. See also Nervous system See also Nervous system angiomatosis, 177 in leukemia, 174 tumors. localization with fluorescein, 360 or Benin Central

369
Cerebellum, see Brain
Cerebrum, see Brain
Cerebrum, see Brain
Ceresa, C., ji. as., 173
CERVELLATI, L., 726
CERVIA, C. as.
CERVINI, C., 735
Cervix, 168, 348, 357-9, 360, 550-1, 727-8, 736, 913-5, 924
(mouse), cancer after hormone treatment, 563
CESANELLI, A., 713
CESANELLI, A., 713

727-8, 130, 913-5, 924
(mouse), cancer after hormone treatment, 563
CESANELLI, A., 713
CHAKROUN, M., 921
CHAMBERS, F. W., JR., ji. am., 551
CHAMBERS, F. W., JR., ji. am., 748
CHAMOUTZ, J., 724
CHAMPION, A. H. R., 544
Chancre, simulated by transitional-cell carcinoma, 734
with cervix cancer, 359
CHANEY, R. H., 357
CHANGY, R. H., 357
CHANGY, R. H., 357
CHANGH, A., ji. am., 188
Chaoul radiotherapy, see Contact roentgenotherapy
CHAPMAN, B. M., ji. am., 360
CHAPMAN, B. M., ji. am., 360
CHAPMAN, J. B., ji. am., 360
CHAPMAN, J. B., ji. am., 901
CHAVANY, J. A., 927
CHEEK, 559, 904, 925, 934
Chemistry and metabolism, 187-8, 376-7, 564-6, 752-3, 939-42
Chemistry and Physiology of Growth (book review), 708
Chemosurgery, 368, 555, 716
Chemotherapy, 539, 710, 897, 941. See also Specific substances and energy mechanisms in cancer, 182
Hodgkin's disease, 366. See also Leukemia, 366. See also Leukemia, 187, 378, 378, 379, 941.

leukemia, 366. See also Leukemia, therapy
CHENHALL, F. N., jt. au., 360
CHERKASKY, M., 538
CHESTER, I., 173
CHIEN, Y. B., jt. au., 166
CHIKLOS, P. S., 343, 370
CHICKAMCO, P. S., 343, 370
CHILDS, P., jt. au., 296
CHILDS, P., jt. au., 296
CHIRICO, M., 934
CHISHOLM, T. C., 933
Chloroma (rat), effect of irradiation on, 938
Cholangioma, 894

938
Cholangioma, 894
Choledocholithiasis, with stomach cancer, 350
Cholesteatoma, 740, 741
Choliesterol, excretion in cancer, 939
Choline, deficiency in and rat liver adenoma, 186
Choline chlorate, for cancer, 897
Cholinesterase activity, in hematologic diseases, 734

diseases, 734 in leukemia, 553, 734 D

in neoplastic disease, 752 Cholor, jt. au., 929 Chondroblastoma, cystic, 741 Chondroma, 178, 373, 558, 928, 930 Chondromyxoid fibroma of bone, 371 Chondromyxoid fibroms of bone, 371
Chondronecrosis, larynx, due to roentgenotherapy, 179
Chondrosarcoma, 371, 741, 904, 930
Chordoma, 370, 371, 557, 929
Chorioangiofibroma, 168
Chorioangioma, 729
Choriocarcinoma, 553
Chorioepithelioma, 551, 728, 729, 921
CHRANOWA, A., 938
CHRISTIANSEN, E., ji. 68., 739
CHRISTIANSEN, G. W., 160
CHRISTIANSEN, G. W., 160
CHRISTIANSEN, O. O., ji. 68., 722
Chromate-producing industry, cancer
in, 744
Chromatographic adsorption technique in, 744
Chromatographic adsorption technique for urinary 17-ketosteroids, 733
Chromosome apparatus of neoplastic cells, 934 Chromosome apparatus of neoplastic cells, 934
Chylomosome, 182
Chylothorax, and lymphosarcoma, 554
CHU, I. T., Ji. am., 174
CHURG, J., Ji. am., 191
Cineradiotherapy, 898
CIPOLLARO, A. C., 176
Citric acid in tumor tissue and tumor-bearing rat, 749
CLAGETT, O. T., 558, 717, Ji. am., 162, 165, 361, 715, 725, 744
CLAPP, W. A., 167
CLARK, D. G. C., 599
CLARK, O. R., 907
CLARK, S. B., 713
CLARKSON, J. R., 156
Classification, breast cancer, 350, 351
cervix cancer, 913
cpithelial germ tumors, 176
Hodgkin's disease, 922
kidney tumors, 917
tung cancer, 931
thyroid cancer, 167, 913
CLALINEW, W. D., 923
CLALINEW, W. D., 923 Hodgkin's disease, 922 kidney tumors, 917 lung cancer, 931 thyroid cancer, 167, 913 CLAUDY, W. D., 923 CLAVEL, C., 909 Clavicle, 557 CLAYTON, C. C., ji. au., 752 CLEMMESEN, J., 154, 342, 347, ji. au., 737, 708 CLERF, L. H., 180, ji. au., 180, 372, 744, 931, 708, E. E., 561 CLIFTON, E. E., ji. au., 539 Clinics, see Control CLUDIMAN, A. M., ji. au., 751 CLOWARD, R. B., 555 CLYMER, J. H., ji. au., 751 CLOWARD, R. B., 555 CLYMER, J. H., ji. au., 719 COAKLEY, H. E., ji. au., 362 Cobaltodinistidine, 187 COCCHI, U., 895 ji. 81, 942 Codehydrogenase I in tumor tissue, 187 COCCHI, U., 895 ji. 81, 942 Codehydrogenase I in tumor tissue, 187 COCHI, U., 895 ji. 81, 942 COCHI, U., 895 ji. 81, 942 COCHI, Ji. 81, 377 COFFIN, ji. au., 374 COFFIN, ji. au., 374 COFFIN, ji. 31, 31, 310 COHEN, A. C., 931 COHEN, A. C., 931 COHEN, I. S., 728 COHEN, I. S., 728 COHEN, I. S., 728 COHEN, M., 390 COHEN, M., 390 COHEN, M., 390 COHEN, M., 390 COLEMAN, F. P., 717 Coley's toxin, 538
Colitis, ulcerative, and cancer, 721
COLINS, C. G., ji. au., 727
COLINS, C. G., ji. au., 727
Colloidal lead orthophosphate, for skeletal metastases of breast cancer, 159
Colon, 163, 352-3, 374, 546-7, 715, 718, 721-2, 552, 907-8
lowered right angle in gallbladder tumors, 723
perforation in cancer, with feces in peritoneal cavity, 721
Color reaction, see Tests,

Colostomy, 164, 547, 722. See also Surgery
COLVIN, S. H., JR., jl. am., 716
COMAN, D. R., jl. am., 183
COMADURAS, P. D., 708
Comedomastitis, 347
COMFORT, M. W., jl. am., 165
Complement, inactivation by nitrogen Compiement, inactivation by nitrogen mustards, 184
Compound No. 18, 911
Cone, W. V., it. au., 926
Conklin, W. S., it. au., 931
Connecticut, cancer control, 342
statistics, 154, 342
Connecticut, no. 160
Constans, J., it. au., 908
Consiglio, V., 160
Constans, J., it. au., 926
Contact roentgenotherapy, 176, 344, 345, 710, 898
Control, 154, 155, 168, 342-3, 357, 538, 539, 550, 894-5, 906, 901
Argentina, 895
Cuba, 708, 895
Italy, 154
Puerto Rico, 895
U. S., Connecticut, 342
Delaware, 155
District of Columbia, 708
Kentucky, 708
Michigan, 894
Minnesota, 895
New Jersey, 708
New York, 154
Oklahoma, 343, 708
Pennsylvania, 342
Rhode Island, 538
Virginia, 708
Conway, H., 542, jt. au., 738
Conway, N. S., 548
COGGE, C. P., 561
COOK, E. N., jt. au., 552
COOK, J. C., jt. au., 159, 365
COOKE, F. N., jt. au., 552
COOK, J. C., jt. au., 159
COOPER, J. E., 902
COOPER, R. N., 739
COOPER, T., 924, jt. au., 736
COOPER, W. L., 355
COORS, G. A., 545
COPELAND, M. M., 720, 901, 928
COPELER, R., 330
CORREDA DA COSTA, C., 359
CORNELL, V. H., 735
CORNEL, W. H., 355
CORNEL, W. H., 355
CORNER, R. M., 915
CORNEL, W. H., 357
CORNEL, W. S., jt. au., 746
CORNEL, W. H., 375
CORNEL, W. S., jt. au., 369
CORTIGN, J. H., jt. au., 740
CORNEL, W. H., 375
CORNEL, W. H., 375
CORNEL, W. H., 377
CORNEL, W. H., 375
CORNEL, W. H., 377
CORNEL, W. H., 375
CORNEL, W. H., 375
CORNEL, W. H., 375
CORNEL, W. H., 375
CORNEL, W. H., 377
CORNEL, W. H., 375
CORNEL, W. H.,

CRAWFORD, R. P., ji. am., 374
CREECH, H. J., 500, 935
CREEVY, C. D., 364
CRELLIN, J. A., 180
CRESNOFF, A. J., 173
CRETSINGER, F. C., ji. am., 915
CREWS, E. R., 910
CREYSSEL, J., 901
CRILE, G. JR., 167, ji. am., 352, 912
CRISTOL, D. S., ji. am., 362
CROMWELL, H., ji. am., 743
CRONN, E. J., 1. am., 743
CRONNITE, H., ji. am., 745
CRONN, E. R., 923
CRONNITE, J. A., ji. am., 742
CRONC, E. A., 547, 548
CRONLICH, J. A., ji. am., 522
CRUMRINE, J., ji. am., 522
CRUMRINE, J., ji. am., 522
CRUMRINE, J., ji. am., 543
CRULL, J. R., ji. am., 522
CRUMRINE, J., ji. am., 543
CRULL, J. R., ji. am., 553
CRIST, J. R., ji. am., 358
CRETR, R., ji. am., 358
CRETR, R., ji. am., 358
CRETR, J., ji. am., 358
CRETR, Ji., ji. am., j epidermoid, 158, 713 hemangiomatous, 177 lutein, 360 multilocular, 746, 933 of bone, 557 branchial cleft, 374 bronchi, 179 endometrium (dog), 753 jaw, 371, 557, 558 kidney, 171 lung, 373, 374, 746 mediastinum, 713, 746 mesentery, 713 orbit, 927 ovary, 169, 361, 374, 933 ovary, 169, 361, 374, 933 ovary, 109, 301, 374, 93 pleuropericardium, 900 serosa, 346 spinal cord, 927 spleen, 713 thyroglossal duct, 158 tonsil, 179 sebaceous, carcinoma in, 368
Cystadenocarcinoma, 916
Cystadenoma, 730, 731, 930, 933
Cystectomy, total, statistics, 362, 363.
Set es los Surgery, bladder
Cystitis simulating cancer, 552
Cystosarcoma phylloides, 714
Cytochrome, influence on benzpyrene
tumors in mouse, 939
Cytology, exfoliative, 155, 168, 169,
170, 171, 180, 343, 344, 352, 354,
359, 360, 361, 373, 538, 539, 550,
552, 709, 719, 720, 720, 727, 728,
731, 732, 743, 744, 745, 746, 896,
905, 907, 914, 915, 916, 920, 930,
931 sebaceous, carcinoma in, 368 0.31 931
in cancer control, 895
statistics of bronchial
examination, 743
in melanoma (mouse), 748
menopausal, 728
in multiple myeloma, 178 in neoplasms of female genital tract, 726 postmenopausal, 359 of sternal marrow, 172, 178 DACIE, J. V., 734

DAFF, M., 564

DAHL-IVERSEN, E., 356

DALLEY, M. E., jt. au., 157

DALAND, E. M., 539

DALE, J. H., JR., 746

DALTON, A. J., 561, 935

DAMBRIN, P., jt. au., 900

DAMSSHEK, W., 922, jt. au., 539, 923

DANCOFF, S. M., jt. au., 156

DANCOT, H., 725

DAN HADEN, W., JR., jt au., 182

DANIEL, G., 898

DODDOD

D

DDDDDDDD

D D Dehydroandrosterone excretion, see Androgen, urinary Dehydrocorticosterone. See also Hormone, steroid effect on induced cancer, 564 Dehydrogenases, studies of, 564, 565 Dehydropeptidase activity in tumors,

933

363.

rene

354, 550, 728, 896, 930,

tion

23

Dehydrogenases, studies of, 564, 565
Dehydropeptidase activity in tumors, 940
Dehydropeptidase activity in tumors, 940
PELERT, A. V., 154
DELAREY, A. J., 558
DELANNOY, E., 906
DELARIO, A. J., 156, 554
DELARUE, J., Ji. au., 179
DEMARIC, G., Ji. au., 709
DELARIO, R., 718
DELLEPIANE, G., Ji. au., 709
DELLARIC, T. V., 900
DELARIC, T. V., 900
DELARIT, O., Ji. au., 716
DE MARCH, C., Ji. au., 917
DEMAREE, E. W., 557
DEMORTALE, T. V., 900
DELARIT, O., Ji. au., 716
DEMAREE, M., 377
DEMAREE, B. W., 557
DEMORTALES, T. D., 179
DEMING, C. L., 733
DEMPSEY, W. S., Ji. au., 912
DENINGON, E. M., Ji. au., 189
DENIS, R., Ji. au., 180
DENMAN, W. E., Ji. au., 190
DENNIN, P., 894, 895, Ji. au., 902
DENOIX, P., 895
DENTON, G. R., 731
DEMORE, K. B., Ji. au., 375
DEREWMAREER, A., 746
DETMOR, SEC Cyst. dermoid; Tumors, dermoid
DESAIVE, P., 931
DESAUSSURE, R. L., Ji. au., 543
DESAUSSURE,

Desoxyridonuciere acid in 942 P42 DeTUERK, J. J., jt. am., 180 DeVincentis, M. L., 161 Devos, R., 732 DeWeese, M. S., 368 Dewey, A. R., 904 Dewey, V. C., jt. am., 941

Diabetes, alloxan, in rat, and benzpyrene sarcoma. 184
with pheochromocytoma, 725
with uterine cancer, 915
Diagnosis, 155, 343-4, 538-9, 709, 896-7.
See also Cytology, exfoliative;
Roentgenography; Serodiagnosis abdominal serosal cysts, 346
tumors, 346, 713
bladder tumors, 552, 732
bone tumors, 179, 741, 928
brain tumors, 177, 750, 926, 934
bronchogenic adenoma, 180
cancer, bladder, 732
breast, 158, 159, 347, 542, 543, 713, 714
bronchi, 180, 181, 373, 558, 743, 931
cervix, 168, 359, 728, 914
colon, 163, 352, 353, 547, 907-8
esophagus, 349, 717
female genital tract, 168, 343, 550, 726, 913
gastrointestinal tract, 168, 343, 361
head, 158
kidney, 362
larynx, 372
lip, 349
lung, 343, 373, 558, 559, 744, 745,

larynx, 3/2 lip, 349 lung, 343, 373, 558, 559, 744, 745, 931, 932 nasopharynx, 930 nose, 179 ovary, 552, 731 pancreas, 165, 548, 720, 724, 907,

pancreas. 165, 548, 720, 724, 907, prostate, 363, 733 rectum, 163, 164, 354, 723, 908 skin, 177, 368 small intestine, 352 stomach, 343, 350, 351, 352, 545, 546, 718, 719, 720, 906, 907 thyroid, 167, 712, 912 uterus, 168, 359, 360, 552, 915 colon diverticula, 908 polyps, 352, 353, 347, 721 eye tumors, 741 frozen section, 741 frozen section, 754 frozen section, 741 frozen section, 981 frozen section, 741 frozen section, 742 frozen section, 743 frozen section, 744 frozen section, 744 frozen section, 745 frozen section, 745

leukemia, 182, 366, 709, 933 lymphoblastoma, 924 lymphogranuloma, 173 lymphoblastoma, 924
lymphogranuloma, 173
lymphoma, 366, 924
lymphosarcoma, 175
mediastinal tumors, 346
multiple myeloma, 927
myoma, 728
neck tumors, 158
operative, of pancreaticoduodenal
cancer, 907
Pancoast-Tobias syndrome, 181
pheochromocytoma, 724
pineal tumors, 739
pituitary tumors, 548
rectal polyps, 547
retinoblastoma, 927
sarcoma, choroidal, 741
osteogenic, 371
skeletal metastases, 897
spinal cord tumors, 177, 369, 739
synoviai fibrosarcoma, 175
synovioma, 175

p-Diazcaminobenzene, as carcinogen, 18-20 bienamine therapy, pheochromocytoma, 356 bienamine therapy, pheochromocytoma, 356 bienzanthracene, as carcinogen, 186, 562, 936 mouse mutation induced by, 377 bienzophenanthrene, as carcinogen, 936 bienzophenanthrene, as carcinogen, 936 bienzen, js. 484, 168 bienzen

effect on lipid and nucleic acid con-centrations of mouse thy-moma, 188 Diethyl (β-radioiodoethyl) amine, dis-tribution studies in mouse, 900 Diethylstilbestrol, see Estrogens

moma, 188
Diethyl (B-radioiodethyl) amine, distribution studies in mouse, 900
Diethylstilbestrol, see Estrogens
Diethylaminosoberatene, see
Diethylaminosobenzene, see
Diktyran, 740
Dilleration of Diethylaminosobenzene, as carcinogen, 186, 560, 730, 753, 935
D'Incerti Bonni, L., 726
Dinsmore, R. S., 3i. am., 552
Diphenylamine reaction of human services, see
Diphenylamine reaction of human services, 941
District of Columbia, cancer control, 708
Diverticulosis, and colon cancer, 352
Diverticulosis, and

Totopshad, mutations by Carcinogens, 37, 14 mots, 936

DRUCKREY, H., 935

DRYMALSKI, G. W., 181

DRYSDALE, G. R., 375, ji. am., 561, 937

DUBOIS, G. S., ji. am., 561, 563

DU BOIS, J. C., ji. am., 169

DUBOST, C., 722, 906

DUCKMAN, S., ji. am., 729

DUCOURTIOUX, M., 738

DUCUURG, J., 900, 902, 914, 928

DUDLEY, R. A., 712

DUFPUR, R. A., 712

DUFOUR, A., 918

DUFOUR, A., 919

DULAC, G., ji. am., 930

DULANEY, A. D., 749

DUNCAN, D., 562

DUNCAN, E., 562

DUNNAN, B., 940

DUNN, R. W., ji. am., 135

DUNLAP, C. E., ji. am., 137, 745

DUNNING, W. F., 184

DUNNINGON, J. H., 737

DUNSMORE, R. H., Ji. am., 369

Dudenopancreatectomy, see Pancreaticoduodenectomy

Dudenum, 163, 352, 715, 718, 720, 739, 907

DUPERRAT, B., ji. am., 716

DUPONT, A., 738 DUPREZ, A., 372 DURKN, B. A., 733 DUSTIN, P., Jr., jl. au., 725 DUX, C., 938, 940 Dysgerminoma, 169, 552, 559, 730, 731, Pusserminoma, 169, 552, 559, 730, 731, 916, 933

Dysoxydative-mutation theory of cancer, 343

Dysphagia and roentgenography of esophagus, 544

Dysplasia, fibrous, 371

Букрівава, потоць, 371

Ваг, 157, 555, 556-7, 711, 739, 927

Вагье, W. R., ji. ан., 560

ВВЕВВАСВ, С. W., 715

ВСКЕВ, А., 177

ВСКЕВ, Н. А., ji. ан., 182

ВСКНООБ, N. L., 738

ВСКНООБ, N. L., 738

ВСКНООБ, М. W., ji. ан., 730

ВОДЕЧ, Н. I., 547

ВВЕБТЕВ, П. М., 170

ВОДІЛЯ, N. P. G., 172

ВОМОЖОБ, Н. W., 374

ВОМАКОБ, R. W., 904

ВГЕБЕВ, D. В., 373, 558

Вбизіоп., рісцта, with paner EFFLER, D. B., 373, 558
Effusion, pleural, with pancreatic cancer, 910
EGEBERG, R. O., jl. as., 734
EGLICK, P., jl. as., 746
Egypt, statistics, 342
Ehrlich's adenocarcinoma, see Adenocarcinoma (mouse) carcinoma (mouse)
BICHEN, S., ji. au., 554
BICHOLZ, L., ji. au., 915
BICHWALD, E. J., 544, 559
BIDELBERG, R., ji. au., 903
BISELT, E., 709
BISENBERG, S. J., ji. au., 922
BKMAN, B., 752
Blastic fiber, behavior in lung cancer, 932
Electron microscope. see Microscopy. Electron microscope, see Microscopy, electron

Electron microscope, see Microscopy, electron Electron therapy, 711
Electrophoretic features in multiple myeloma, 927
ELGUETA, H., jt. au., 560
ELIOND, G. B., jt. au., 560
ELIOND, MARTEL, G., 915
ELKELES, A., 906
ELLIOND, MARTEL, G., 915
ELKINS, C. W., jt. au., 556
ELLINGER, F., 710
ELKINS, C. W., jt. au., 558
ELLISON, E. T., jt. au., 358
ELLISON, E. T., jt. au., 358
ELLISON, E. T., jt. au., 358
ELSON, R., jt. au., 136
ELTONDER, Jt. au., 360
ELTONDER, Jt. au., 360
EMERSON, G. A., jt. au., 939
EMERSON, G. A., jt. au., 911
EMMETI, J. L., jt. au., 361
EMMETI, J. L., jt. au., 361
EMMETI, J. L., jt. au., 361
EMOTION as possible cause of leukemia, 14
Endocrine organs, 165-7, 355-7, 548-550, 724-6, 910.3

Emotions as possible cause of leukemia, 174
Endocrine organs, 165-7, 355-7, 548-550, 724-6, 910-3
Gisease, and testis pathology, 172
Gumors, and hormonal imbalance, 747
Endometriona, 730
Endometriona, 730
Endometriona, 730, 359, 359, 360, 361, 551, 729, 730, 731, 915
Endometrionia, 359, 359, 360, 361, 551, 729, 730, 731, 915
Endotheliona, 538, 919
Endothelio-angioblastoma, 745
Endothelio-angioblastoma, 745
Endotheliona, 558
of bone, see Sarcoma, Ewing's
Endotheliona, 558
ENGEL, R. W., 185
ENGEL, R. W., 186
ENGEL, R. W., 180
ENGLISH, J., 544
ENGLE, E. T., J., au., 551
ENGLER, C. W., 180
ENGLISH, J., 544
ENNIS, L. M., 349
ENNUYER, A., J., au., 548
ENOphthalmos in Recklinghausen's disease, 739
Enzyme-inhibiting-substance theory of cancer, 564
Enzymes, see Chemistry and metabol-

cancer, 564
Enzymes, see Chemistry and metabolism; Specific enzymes, e.g., Phos-

Ependymoma, 369, 740, 927, 934
Epidemiology, 154, 176, 350
Epidermoid, intraventricular, 556
Epididymis, 921
Epiglottis, 742
Epiglottis, 742
Epinephrine shock with pheochromocytoma, 724
Epithelial growth, experimental, in rabbit cornea, 183
Epithelioma, 160, 172, 176, 179, 345, 349, 551, 533, 554, 555, 716, 720, 738, 740, 743, 746, 902, 907, 912, 913, 914, 921, 924, 925, 926
anaplastic, 739

anaplastic, 739 basal-cell, 176, 368, 738, 739, 934 calcified, 925

calcined, 925 chemosurgical treatment, 368 polypoid, 913 prickle-cell, 925

chemosurgical treatment, 368
polypoid, 913
prickle-cell, 925
squamous-cell, 368, 904, 925
EPSTEIN, S., ji. au., 922
EPSTEIN, S., ji. au., 922
EPSTEIN, S., ji. au., 922
ERICLE, R., 737
ERCOLI, A., 156
ERF, L. A., 922
ERICLE, J. B., 160
ERICKSON, R. B., ji. au., 928
ERICKSON, T. C., 926
ERIKSON, S., 728
ERNST, E. C., 551
ERWAY, C. E., 928
Erysipelas, effect on multiple myeloma, 929
Erythroylastoma, 929
Erythroylastoma, 929
Erythroylastoma, 929
Erythroyles, oamotic resistance in cancer, 937
Erythroflastoma, 929
Erythroyles, osmotic resistance in cancer, 937
Erythroplastoma, 929
Erythroplessis, 553, 734
Erythroplessis, 553, 734
Erythroplessis, 553, 734
Erythroplessis, 553, 734
Escrafón, W., ji. au., 735
ESCHENBRENNER, A. B., 562
preshouguettes, J. R., 735
ESCHENBRENNE

thelioma, 743

Esterase, histochemical demonstration of, 936

ESTRADA, J., 158

ESTRADE, J., 899

Estrogens, as carcinogens, 186, 538 effect on leukemia incidence in male mouse, 750 effect on male rabbit, 748
therapy, as cause of cancer, 168, 551, 714, 919
for breast cancer, 150, 715

for breast cancer, 159, 715 neoplastic osteosis, 929 prostate cancer, 364, 714, 733, 919, 920

Ethyl carbamate, see Urethane Etiology, cancer, 155, 343, 350, 351, 538, 564, 708, 895-6. See also Milk

Stology, Cancer, 153, 343, 359, 564, 708, 895-6. See al agent breast, 901 utterus, 360 Hodgkin's disease, 367 mycosis fungoides, 367 polyps, colon, 352 tumors of bone, 928 Eustachian tube, 179 EVANS, A. M., 358 EVANS, B. H., 541 EVANS, G. R., jt. au., 734 EVANS, O. T., 722 EVANS, T. C., 173, jt. au., 548 EVANS, T. S., 923, jt. au., 365 EVANS, W. A., Js., jt. au., 365 EWELL, G. H., 172 EWING, N. D., 738 EWILG, S. Astroma, see Sarcoma, see Sarcoma,

Ewing's sarcoma, see Sarcoma, Ewing's Exalto, J., 746
Exophthalmos, with cerebellar tumor, 177

External pancreatic secretion and gas-trointestinal efficiency, 165 Extremities, 179, 554, 722, 741, 926, 928, 929

Eye, 157, 178, 355, 370, 556-7, 740-1, 927. See also Orbit

changes due to pheochromocytoma, 165, 548 in leukoblastoses, 927 Eyelid, 368, 369, 355, 738, 925, 927 edema in lymphosarcoma, 737 EYHERABIDE, R., jt. au., 931

Eyelid, 368, 369, 555, 738, 925, 927
edema in lymphosarcoma, 737
Eyherabide, R., ji. am., 931

Face, 711, 738, 739, 903, 933
FALCONER, E. H., 735
FALLONER, M. A., 926
FALKENHEIM, M., ji. am., 563
FALCONER, M. A., 926
FALKENHEIM, M., ji. am., 565
FALLA ALVAREZ, L., 350
FALLONER, M. A., 926
FALKENHEIM, M., ji. am., 565
FALLA ALVAREZ, L., 350
FALLON, W. W., ji. am., 748
FALLY, J., ji. am., 728
FALOON, W. W., ji. am., 748
FANGANIELO, M., ji. am., 748
FANGANIELO, M., ji. am., 724
FAREER, S., 173, 923
FARBER, S., 173, 923
FARBER, S. M., 180, 931
FARDON, J. C., 749
FARQUHAR, J. D., ji. am., 934
FARRELL, J., ji. am., 726
FARRIOR, J. B., 742
FATTI, L., 744
Fats, heated, as source of carcinogens, 375
FAUVET, J., ji. am., 724, 902
FAVATA, B. V., ji. am., 396
FAVATA, B. V., ji. am., 394
FEIGHES, W., ji. am., 394
FEIGHES, W., ji. am., 347, 48
FEIRING, E. R., ji. am., 347, 48
FEIRING, E. H., ji. am., 540
FEILD, D. D., 743
FELDMAN, J. D., ji. am., 540
FEILD, D. D., ji. am., 540
FEILD, D. D., ji. am., 540
FERMER, C. H., ji. am., 540
FERMER, C. H., ji. am., 720
FEREY, D., 926
FERRANDE, J. E., ji. am., 373
FERRANDEZ, C. MERRO, J. M., 915
FERRANDE, C. C., 362
FERRARO, L. R., 724
FERRARON, R. S., 157
FERRARON, R. S., 916
FERRARON, R. S., 917
FERRARON, R. S., 917
FERRARON, R. S., 917
FERRERS, D. O., 362
FE

estrogen-induced, 560 Fibrolipoma, 349 Fibroma, bone, 371 cornea, 740

endosteum, 544 heart, 934 ileum, 907 jaw, 557 nasopharynx, 742 nose, 742 ovary, 552 periapical, 349 perineurium, 905

perineurium, 905
sacrum, 371
stomach, 719, 906
subpleural, 745
testis, 365
tterus, 359, 360
(rabbit), virus of, propagation, 375
Fibroma molluscum, 175
Fibromyoma, 359, 361, 713, 726, 729, 731
tterus, and cancer, 915

uterus, and cancer, 915 uterus, and cancer, 913
Fibromyxoepithelioma, 556
Fibrosarcoma, 175, 346, 371, 713, 716,
737, 898, 925, 929
congenital, heterologous transplant
of, 559
genetic changes in susceptibility to,
66 (dog), 189, 378, 566, 942
(mouse), effect of furacin, 562
(rat), 561, 940

Fibrothecoma, 916

Ficarra, B. J., Ji. an., 541

Fichard, T. 928

Fieber, M. H., Ji. an., 897

Field, J. B., 185

Fioge, F. H. J., 187

Fiog. F. A., Ji. an., 179

Firdlay, M., 365, 372, 731

Fink, H., Ji. an., 736

Fino, J. A., 361

Finzi, N. S., 344

Fischer, L., 181

Fischer, L., 181

Fischer, A., 187

Fisher, D. F., Ji. an., 919

Fisher, R., G., Ji. an., 556

Fishkin, B. G., Ji. an., 534

Fisher, B. G., Ji. an., 334

Fisher, N. G., Ji. an., 334

Fisher, A., 187

Fisher, A., 387

Fisher, A., 163
chronic cutaneous, cancer in, 555
duodenocolic, with colon cancer, 547
pancreatic, effect of parenteral feedings on, 548
urethral, postoperative, 547
PATITS, W. T., JR., 713
PITZ-HUGH, T., JR., ji. au., 173
PITZ-HUGH, T., JR., ji. au., 173
PITZ-HUGH, T., JR., ji. au., 173
PITZ-HUGH, T., JR., ji. au., 573
PLASHMAN, F. L., ji. au., 537
PLASHMAN, F. L., ji. au., 557
PLEISCHINER, P. G., 174
PLEMING, A. A., 158
PLEMING, D. S., 559
PLEMING, N., 370
PLETCHER, G. H., 743
PLEURING, N., 370
PLETCHER, G. H., 743
PLEURING, N., 370
PLETCHER, G. H., 743
PLEURING, DE, ji. au., 187
PLUHARTY, R. G., 712, ji. au., 356, 726
PLOCKS, R. H., 732
PLOCKS, R. H., 732
PLOCKS, R. H., 732
PLOCKS, R. H., 732
PLOCKS, R. H., 737
PLUHARTY, R. G., 712, ji. au., 356, 726
Pluorene derivatives, as carcinogens, 562, 941
Pluorescein, use in localizing central nervous system tumors, 369
Pluoride therapy, see Glycolytic-inhibitor-therapy
Pluorocentgenography, see Photofluorography see Sign of previous intervous system tumors, 369
Pluoride therapy, see Glycolytic-inhibitor-therapy
Pluorocentgenography, see Photofluorography
Poam-cell plaques as sign of previous intervous system tumors, 369
Pluoride therapy, see Glycolytic-inhibitor-therapy
Pluorocentgenography, see Photofluorography
Foam-cell plaques as sign of previous intervous system tumors, 369
Pluoride therapy, see Glycolytic-inhibitor-therapy
Pluorocentgenography, see Photofluorography
Foam-cell plaques as sign of previous intervous system tumors, 369
Pluoride therapy, see Glycolytic-inhibitor-therapy
Pluorocentgenography, see Photofluorocentgenography
Poam-cell plaques as sign of previous intervous system tumors, 369
Pluoride therapy, see Glycolytic-inhibitor-therapy
Pluorocentgenography, see Photofluorocentgenography
Pluorocentgenography
Pluorocentgenography
Pluorocentgenography
Pluoro

ma.

ens,

act.

rian

15

729.

716

lant

OF CURRENT CANCER LITERA'

FRECH, H. C., 731
FREED, J. H., 552
FREEDMAN, D. A., 542
FREEDMAN, D. A., 542
FREEDMAN, R. J., ji. 684., 720
FREEDMAN, R. J., ji. 684., 720
FREEDMAN, R. J., ji. 684., 720
FREEDMAN, R. J., 777
FREEDMAN, T. J. 77, 926
FRENCH, J. J., 684., 369
FRENCH, J. D., 177, 926
FRENCH, W. G., ji. 684., 551
FREUD, E. D., 742
FRICKE, R. E., 156, 727, ji. 684., 913, 918
FRIDAY, W. C., ji. 684., 728
FRIEDA, W. C., ji. 684., 728
FRIED, B. M., 180
FRIEDRERG, S. A., 371
FRIEDGOOD, C. E., jii. 684., 184, 559, 562
FRIEDMAN, D. M., jii. 684., 747
FRIESEN, A. M., jii. 684., 747
FRIESEN, A. M., jii. 684., 747
FRIESEN, R. P., 342
FRITSCHY, W., 180
FROSES, I. K., jii. 684., 717
FROMAGET, Ji. 684., 718
FROST, J. K., jii. 684., 717
FROMAGET, Ji. 684., 725
FULLER, J. L., jii. 684., 725
FULLER, J. L., jii. 684., 725
FRYER, M. P., jii. 684., 725
FRYER, M. P., jii. 684., 735
FRYER, M. P., jii. 684., 735
FRYER, M. P., jii. 684., 898
FRYFOGLE, J. D., 361
FULNEALD, P., ji. 684., 898
FRYFOGLE, J. D., 361
FULNEALD, P., ji. 684., 187
FULNON, J. K., 375
FULNEALD, P., ji. 684., 187
FULNON, J. K., 375
FULNEALD, P., ji. 684., 187
FULNON, J. K., 376
GADBAT J. T. 38 efficiency after pancreatic resection, 165 local acidification of tissue and cancer, 720 (mouse), tumors due to carcinogens, 562 562
Gastroscope, 350, 709, 719
GATES, E. M., Ji. as., 556
GAUDIN, H., 364
GAUDUCHEAU, 898
GAULI, R. E., Ji. as., 345
GAVIOLI, R. L., 737

GAVISER, D., jt. au., 162
GAYL, J., jt. au., 728
GEVER, E. M., 172
GEEVER, E. F., jt. au., 718
GEEVER, E. F., jt. au., 718
GESENBOBDEFER, R., 364
GELLHORN, A., 710, 737
Genetics, 188-9, 377-8, 566, 753, 942
Genital tract, female, 167-9, 343, 35761, 550-2, 726-31, 913-6
Genitourinary tract, 169-72, 343, 361-6,
552-3, 731-4, 916-22
GENTRY, R. W., 715
GERDL, R., jt. au., 918
GERNEX-RIEUX, 900
GERWIG, W. H., JE., 714
GESCHICKTER, C. F., jt. au., 928
GESSLER, A. E., 708, 747
GESSLER, C. J., 174
GESSLER, C. J., 180
GIAMPALMO, G. P., jt. au., 163
GIAMPALMO, G. P., jt. au., 166
GIBSON, T. E., 731
GIESE, A. C., 375
GIFEN, H. K., 741
GILBERT, S. M., 352
GILBERTAS, A., jt. au., 906
GILLES, H., 899
GILMOUR, M., 551
GILSON, P. R., jt. au., 746
GILSS, R. G., 346
GILLISS, H., 399
GILMOUR, M., 551
GILSON, P. R., jt. au., 746
GIESSLA, G., 708
GIRAUD, 906
GIRAUD, 906
GIRAUD, 906
GIRAUD, 906
GIRAUD, G., 900
GITHENS, J., jt. au., 746
GIESSING, E. C., 187
GIADSTONE, S. A., 896
GILAUCK, D., jt. au., 746
GIESSING, E. C., 187
GIADSTONE, S. A., 896
GILAUCK, D., jt. au., 746
GIESSING, E. C., 187
GIADSTONE, S. A., 896
GIASSER, S. M., jt. au., 710
GLEDHILL, E. Y., 744
GILCK, D., jt. au., 746
GIESSING, E. C., 187
GIADSTONE, S. A., 896
GIASSER, S. M., jt. au., 710
GLEDHILL, E. Y., 744
GILCK, D., jt. au., 746
GIESSING, S. M., jt. au., 710
GLEDHILL, E. Y., 744
GILCK, D., jt. au., 746
GISSING, S. M., jt. au., tracts of tumor tissue, 188, 377, 941
of blood, and inorganic phosphorus release, 564
of tumor, studies in, 376, 752, 753
Gypolytic-inhibitor therapy, 397
GODTEREDSEN, B., 556
GODWIN, J. T., 776, 904
GOETZ, R. H., ji. au., 903
GOETZL, F. R. ji. au., 903
GOETZL, F. R. ji. au., 924
GOFMAN, J. W., 899, ji. au., 899
GOISIS, M., 158, ji. au., 159, 715
Goiter, exophthalmic, and thymic hyperplasia, 725
nodular, and thyroid cancer, 167, 912
with adrenocortical tumor, 911
GOITOGENS, effect on mouse thyroid, 185
GOLDBERG, B., ji. au., 563 GOLDBERG, B., ji. au., 563
GOLDBERG, L. G., 917
GOLDEN, A., 358
GOLDBERG, L. G., 917
GOLDEN, A., 358
GOLDFERE, A., 560, 747
GOLDIN, A., ji. au., 563
GOLDMAN, L. B., 708
GOLDMAN, L. B., 708
GOLDMAN, H., 734
GOLDSMITH, A. J. B., ji. au., 178
GOLDSMITH, Y., ji. au., 749
GOLDSMITH, S. L., ji. au., 749
GOLDSTEN, S. L., ji. au., 749
GOLDSTEN, S. L., ji. au., 555
GOLD apparatus, and bladder cancer, 362
GOMEZ, O. L., 364
GORDAGTOODIS, UTIDARY, and testicular GOMEZ, U. L., 304 Gonadotropins, urinary, and testicular tumors, 172 GONI MORENO, I., 346 GONZÁLEZ-MARTÍNEZ, I., 895 GONZÁLES QUIJANO, J., jl. am., 163 GONZÁLES REVILLA, A., 177, 927 GOOD, C. A., 373

GOOD, T. A., jl. am., 566
GOODRICH, W. A., 179
GOODWIN, J. F., ji. am., 547
GORDON, J. F., ji. am., 547
GORDON, A. J., 741
GORDON, A. J., 741
GORDON, C. E., ji. am., 925
GORDON, A. J., 741
GORDON, C. E., ji. am., 926
GORDON, E. S., ji. am., 926
GORDON, E. S., ji. am., 926
GORDON, E. S., ji. am., 742
GOTHLEB, C., 721
GOTTSCHALK, R. G., 938
GOULD, E. A., ji. am., 726
GOULDING, R., 554
GOULD, E. A., ji. am., 726
GOULDING, R., 554
GOURNAY, J. J., ji. am., 733
GOVARRYS, J. 717, ji. am., 931
GOWDEY, J. A., 182
GOYCOECHEA, O. L. DE, 157
GRASSTALD, H., ji. am., 931
GRADWOHL, R. B. H., 916
GRÄFF, S., 181
GRAHM, E. A., 180, 743
GRAHM, R. M., ji. am., 343, 351
GRAILLY, R. DE, 925
GRANDIN, D. J., 729
GRANT, F. C., 369
GRANTHAM, E. G., 926
GRANHAM, E. M., ji. am., 352, 548
GRAY, J., 547
GRAY, S. H., ji. am., 720
GRAY, H. K., 350, 352, ji. am., 352, 548
GRAY, J., 547
GRAY, S. H., ji. am., 165
GRAY, T. C., 746
GRAYEL, D., ji. am., 165
GREELEY, D. M., ji. am., 165
GREELEY, D. W., ji. am., 168
GREELEY, D. W., ji. am., 357
GREENEN, J. W., JI., am., 369
GREEN, J. W., JI., am., 370
GREENER, D. J., ji. am., 720
GREENSEN, J. J., am., 739
GREENNOOD, J., JR., 369
GREENNOOD, J.

with ulcerative colitis, 714 H 11 therapy, 155, 344 HAAGENSEN, C. D., 158, 343, 896 H 11 therapy, 155, 344
HAAGENSEN, C. D., 158, 343, 896
HAAGENSEN, C. D., 158, 343, 896
HAAGENSEN, C. D., 158, 343, 896
HABEL, J. M., JR., 168
HACKMANN, C., 941
HADDOW, A., 560, 897
HADEN, W. D., 713
HADI, M. A., 742
HAEFFIRE, A., 163
HAGEDORN, A. B., Ji. au., 736
HAGEGORN, A. B., Ji. au., 169
HAGEGERY, R. F., Ji. au., 180
HAHN, G. A., 358
HAIGHT, C., ji. au., 541
HAINES, J. S., 931
HAINES, S. F., ji. au., 726
HAKANSON, E. Y., 564
HALL, A., JR., ji. au., 916
HALL, B. E., ji. au., 173
HALL, G. F. M., 725
HALL, J. H., ji. au., 932
HALL, J. H., ji. au., 932
HALL, J. H., ji. au., 926
HALL, W. C., 559, ji. au., 719
HALL, W. H., 562
HALL, W. H., 562
HALL, W. H., 567
HALPER, H., 557
HALPER, H., 557
HALPER, H., 557
HALPER, H., ji. au., 367, 552, 556, 714, ji. au., 369
HAMMLTON, M. A., ji. au., 165
HAMMILTON, M. A., ji. au., 165
HAMMILTON, M. A., ji. au., 165
HAMMILTON, M. A., ji. au., 560
HAMILTON, M. A., ji. au., 560
HAMMILTON, R. C., ji. au., 179
HAMMOLEY, R. S., 901
HAMMOLEY, R. S., 901
HAMMOLEY, R. S., 901
HANGOUSA, A. S., 557
HANKINS, F. D., ji. au., 560
HARE, H. F., 548, 737, ji. au., 560, 935
HANSEN, O. E., 719, ji. au., 560, 935
HARSEN, W., 347
HARBOR, H. F., 548, 737, ji. au., 908
HARE, H. F., 548, 737, ji. au., 509
HARE, H. F., 548, 737, ji. au., 509
HARRIS, J. M., 330
HARRIS, J. M., 330
HARRIS, J. M., 330
HARRIS, J. M., 340
HARRIS, J. M., 340
HARRIS, J. M., 340
HARRIS, J. M., 351
HARLDARLS, J. M., 361

HARTUNG, E. W., 936
HARVEY, A. M., 166
HARVEY, S. C., 342
HARVEY, W. F., 177, 555
HASS, G., J. A., 170
HASSIN, G. B., 556
HASS, G., J. A., 1710
HASSIN, G. B., 556
HATCH, F. N., 911
HATCHER, C. H., 371
HATT, P., J., 431, 718
HAUF, W. VON, 165
HAUKOH, R. S., 731
HAUPTMANN, E., 344
HAUSER, H., 189, 556,
HAVEN, F. L., 749
HAWIS, S. H., 163, 555
HAWK, G. W., J., 431, 163, 554
HAWTHORNE, H. R., 717
HAYDEN, C. W., 372
HAYES, H. T., 909
HAYES, J. N., 931
HAYES, M. A., 721
HAYES, M. A., 721
HAYES, W. G., 926
HAZARD, J. B., Jt. 431, 167
HAZARD, J. B., Jt. 431, 167
HAZARD, C. T., 746
HDOUBLER, F. T., 356
Head, 158, 933
HEALEY, T. V., Jt. 431, 726
HEARON, J. Z., 187
HEAT, 543, 544, 715, 716, 903, 934
leukemic cell infiltration, 715
Heat coagulation, of homogenates of liver, 183
of plasma, in cancer, 155
of serum proteins, in cancer, 709
HATH, W. H., Jt. 431, 335
HEALEY, W. H., Jt. 431, 335
HELEK, L., 19, Jt. 431, 335
HECK, F. J., Jt. 431, 335
HEREKE, R., 162, Jt. 431, 335
HEREKE, R., 162, Jt. 431, 335
HEREKE, R., 162, Jt. 431, 335
HEREKE, R., 163, Jt. 431, 335
HEREKE, R., Jt. 431, 334
HEREMAN, J., 749
HEINLE, R. W., Jt. 431, 799
HEINELE, R. W., Jt. 431, 799
HEINELE, R. W., Jt. 431, 790
HEINELE, R. W., Jt. 431, 730
HELEMER, J., 740
HERMAN, J., 749
HEINLE, R. W., Jt. 431, 730
HELEMER, J., 740
HERMAN, J., 749
HERMAN, J., 935
Hemopolesis and irradiation, 157
Hemorrhage, fibromatous, 729
with jejunal cancer, 907
pulmonary, clinical significance of, 346
rectal, after irradiation of cervix
cancer, 168
renal, due to lipoma, 171
with stomach carcinoid, 719
subarachnoid, with pituitary tumor,
350 subarachnoid, with pituitary tu into thyroid adenoma, 167
Hemorrhoid, and cancer, 722
sarcoma in, 548
Hemosiderin in mouse uterus, 750
HENDERSON, C. C., Ji. au., 906
HENDERSON, E. L., 728
HENLINE, R. B., 361
HENNESS, J. P., 729
HENNINGER, H., 364
HENRIKSEN, E., 731
HENRY, J. A., 921
HENSCHEN, F., 906
HENSHAW, P. S., 747
Hepatitis, infectious, followed 355 Hepatitis, infection cirrhosis, 724 Hepatoma, 894, 910 hemorrhagic, 934 (dog), 753 infectious, followed by

H

HHHHHHH

нинининини

H

HHHHHHHHHHH

(mouse), and rice diet, 566
(rat), studies in, 188, 564, 566
Hepatosplenomegaly with adrenocortical tumor, 911
Hepler, A. B., ji. am., 552
Hepp, J. A., 551
Herbert, R. J. T., ji. am., 156
Herbert, R. J. T., ji. am., 156
Herbert, R. J. T., ji. am., 156
Herbert, P., ji. am., 193
Herbert, P. A., ji. am., 180, 744, 920
Herbert, 188, 189, 342, 347, 348, 377, 378, 895, 942
parathyroid adenoma, 355
retinoblastoma, 740, 927
parathyroid adenoma, 378
Hermaphrodite, ovarian tumors in, 730
Herraphrodite, Ji. am., 361
Herraphrodite, Ji. am., 361
Herraphrodite, Ji. am., 361
Herraphrodite, Ji. am., 361
Herraphrodite, Ji. am., 371
Herraphrodite, Ji. am., 374
Herraphrodite, Ji. am., 374
Herraphrodite, Ji. am., 374
Herraphrodite, Ji. am., 374
Herraphrodite, Ji. am., 372
Heterotopia, 374
Herraphrodite, Ji. am., 372
Heterotopia, 374
Herraphrodite, Ji. am., 372
Herraphrodite, Ji. am., 372
Herraphrodite, Ji. am., 373
Herraphrodite, Ji. am., 374
Herraphrodite, Ji. am., 374
Herraphrodite, Ji. am., 375
Herraphrodite, Ji. am., 379
Herraphrodite, Ji. am., 379
Herraphrodite, Ji. am., 379
Histophrodite, Ji. Ji. am., 379
Histophrodite, Ji. Ji. am., 389
Histophrodite, Ji. Ji skin cancer, 554 skin cancer, 534
Histology, cancer tissues, 155
cardioesophageal cancer, 349
Paget's disease of bone, 928
skin cancer, 176
tumors, 368, 925
Histoplasmosis and lymphoblastoma,
553
Histoplasmosis (C.B., it et 1990) Histoplasmosis and lymphoblastoma, 53 HITCHOCK, C. R., ji. au., 899 HITCHINGS, G. H., ji. au., 560 HOAN, N., ji. au., 936 HOCHLIGHT, C., ji. au., 564 HOOE, G. B., ji. au., 713, 724 HOGgkin's disease, 172, 174, 352, 366, 367, 371, 541, 546, 553, 733, 734-5, 738-5, 738, 734-5, 738-9, 734-5, 738-9, 734-5, 738-9, 734-5, 738-9, 734-5, 738-9, 734-5, 738-9, 734-5, 738-9, 734-5, 738-9, 738-7, 734-5, 738-9, 738-7, 734-5, 738-7, 734-5, 738-7, 734-5, 738-7, of external genitalia, 733
of intestine, 922
of mediastinum, 734
salivary glands, 905
pregnancy in, 735
pulmonary complications, 554
skeletal lesions, 735
therapy, glycolytic-inhibitor, 897
mitrogen-mustard, 136, 173, 175,
336, 734, 735, 922
radiosodium, 173
HODGOSON, G., 176
HODGOSON, J. R., Ji. ass., 752
HOFFMAN, S. J., Ji. ass., 752
HOGREFFE, G., 188, 378

of

3

Højensgaard, I. C., jl. au., 356 Holden, H., 741 Holden, L. B., jl. au., 740 Hollenhorst, R. W., 165 HOLDEN, L. B., Jl. as., 740
HOLLENHORST, R. W., 165
HOLLEY, H. L., 355
HOLM, H., 171
HOLMAN, C. C., 547
HOLMAN, C. C., 547
HOLMAN, H. H., Jl. as., 178
HOLLT, G., Jl. as., 183
HOLT, G., Jl. as., 736
HOLT, H., Jl. as., 183
HOLT, J. F., 368
HSLUND, T., 731
HOMBURGER, F., Jl. as., 162, 377, 747
HOMBURGER, F., Jl. as., 162, 377, 747
HOMBURGER, F. S., 539
HOME care of cancer patients, 538
HOPKINS, F. S., 164
HOPKINS, G. S., Jl. as., 554
HOPKINS, G. S., Jl. as., 554
HOPKINS, W. A., 373
HOPP, E. S., Jl. as., 735
HOPP, E. S., Jl. as., 735
HOPP, E. S., Jl. as., 735
HOTMOTHER OF THE STANDARD 749
cancer. 156, 169, 563, 708, 915
fibromyoma, 729
leukemia, 736
imbalance, and tumorigenesis, 747
production, and mammary cancer in
mouse, 378
quantitative content of lutein cysts
after hydatid mole, 360
steroid. See also Specific compounds
and cancer, 911
antitumorigenic effect. 187 quantitative content of lutein cysts after hydatid mole, 360 steroid. See also Specific compounds and cancer, 911

Ann. H. W., 168
HORN, H. W., 168
HORN, L. G., ji. au., 559
HORN, P., 168
HORN, L. G., ji. au., 559
HORN, P., 168
HORRAX, G., 739, ji. au., 740
HOURJBASS tumor, see Tumors
HORWITZ, T., 158
HOSTER, H. A., ji. au., 175, 367
HOUDE, R. W., 539
HOUSTON, W., 348
HOWARD, H. H., 918
HOWARD, M. A., 549
HOWARD, M. A., 549
HOWARD, R. R., 714
HOWE, C. D., ji. au., 728
HOWE, J. S., ji. au., 551
HOWEL, J. B., ji. au., 739
HOWEL, J. B., ji. au., 379
HOWES, E. L., 747
HOWES, W. E., 338, 544, 912, ji. au., 922
HOWES, W. E., 358, 544, 912, ji. au., 922
HOWES, W. E., 358, 544, 912, ji. au., 927
HOWES, E. L., 747
HOWES, W. E., 358, 544, 912, ji. au., 927
HOWES, W. E., 358, 544, 912, ji. au., 927
HOWES, W. E., 358, 544, 912, ji. au., 929
HOULE, J. G., 559
HUCHES, J. G., 59
HUCHES, J. G., 59
HUCHES, J. G., 59
HUCHES, J. G., 59
HUCHER, J. G., ji. au., 156
HUNDAPHREYS, G. A., ji. au., 157
HUNDAPHREYS, G. A., ji. au., 369
HUNTER, A. L., ji. au., 369
HUNTER, A. L., ji. au., 369
HUNTER, B., ji. au., 344
HUNTER, R. B., ji. au., 344
HUNTER, R. B., ji. au., 348
HUNTER, R. B., ji. au., 348
HUNTER, W. J., ji HUSEBY, R. A., 375 HUSEBYE, O. W., 162 HUSSLEIN, H., 360 Hutchinson's syndrome, 559 Hyaluronic acid from Rous chicken sarcoma, 566 Hyaluronidase, inhibitors, and cancer, 376, 565, 566

in human and experimental tumors, 940
Hydatid mole, 360, 728, 729
Hydr, B., jt. au., 177
Hydrocarbons. See also Specific compounds
aromatic, effect on mouse skin, 751
as carcinogen, 186, 538, 562, 752
carcinogenic metabolism, 940
Hydronephrosis due to cervix cancer, 357
Hydrothogax in Meior's avadrome, 169 940 Hydrothoras due to ervix cancer, 169
Hydrothorax in Meigs's syndrome, 169
Hydroureter due to cervix cancer, 357
2-Hydroxystillbamidine for multiple myeloma, 929
Hygroma, 348
Hynes, J. F., 358, 922
Hyperadrenocorticism, 911
Hyperhemolysinemia as cancer test, 539
Hyperinsulinism, 165, 723, 910
Hyperleukocytosis with bladder cancer, 732
Hyperenphroma, 164, 361, 362, 552. Hypernephroma, 164, 361, 362, 552, 731, 732, 917
Hyperostosis with meningioma, 927
Hyperparathyroidism, 165, 166, 911
Hyperplasia, parathyroids, 165 Hyperparataryoidism, 165, 100, 911
Hyperplaisa, parathyroids, 165
schwannian, cervix mucosa, 357
skin, after carcinogenic irritants, 184
thymus, 166, 725
Hypertension, with adrence-frical
cancer, 165
pheochromocytoma, 724, 725
Wilms's tumor, 559
Hypertrophy, palmaris longus muscle,
simulating tumor, 554
stomach simulating cancer, 906
Hypoglycemic syndrome with adrenocritical tumor, 911
Hypopharynx, 348, 372
Hypopituitarism with chromophobe
tumor, 548
Hypopretinemia, postoperative,
gastrointestinal cancer, 545
Hypotenismon, arterial, with roentgenogastrointestinal cancer, 543
Hypotension, arterial, with roentgenotherapy, 898
Hypothalamus, 926
Hysterography, 728, 915, 916
HYWELL-DAVIES, P. I., 741 31, see Radioiodine IBRAHIM, A., 913 IBRAHIM, H., 171 Icteric index in cancer, 709 Insulin therapy for liver metastases, 547 International Cancer Research Com-mission, 154 mission, 154
Intussusception, due to colon cancer,
353
due to ileum fibroma, 907
Ioannovicit, D., ji. 4ss., 179
Iodine, in thyroid tissue, 726
radioactive, see Radioiodine
Iodoacetate, index, 709
therapy, see Glycolytic-inhibitor
therapy Iodoacetate, index, 709
therapy, see Glycolytic-inhibitor
therapy
Iowa State Medical Society, Cancer
Committee, 155
Irradiation, see Radiotherapy; Radium
therapy; Rentgenotherapy
Irritation, external, and cancer, 343
IRWIN, I. A., 929
ISAAC, F., 931

11107 Isidor, P., jl. au., 357 Islets of Langerhans, 165, 723, 910. See also Pancreas also Fancreas

Isotopes, radioactive, 157, 346, 540-1,
712-3, 899
biologic decay rates, 712
dosage calculations, 540, 899
use in medicine, 712
Italy, cancer control, 154
IVERSEN, K., 734
IVERSEN, S., 187, 565
IVEY, H. B., 160
IVY, A. C., Ji. au., 545
IVY, R. H., 349, 898

JACKMAN, R. J., jl. al., 721

JACKSON, A. S., 549

JACKSON, C. L., 372

JACOBS, M. D., jl. al., 166

JACOSSIN, V. C., 181

JACOBSON, L. O., 375, 553, 747, jl. al., 184, 366, 735

JACOBSON, L. O., 375, 553, 747, jl. al., 184, 366, 735

JACOBSON, W., 736

JACOK, H. W., 551, jl. al., 168

JACOK, H. L., 371

JAFFE, W. G., 185

JAGER, B. V., jl. al., 162

JAMES, A. B., 171

JAMES, D. A., 155, 342

JAMES, A. B., 171

JAMES, A. G., 557

JAMES, D. A., 155, 342

JAMES, D. A., 155, 342

JAMES, D. F., jl. al., 724

JANES, D. M., jl. al., 724

JANES, D. M., jl. al., 374, 559

JARVIS, J. L., 898

JAUBERT DE BEAUJEU, M., jl. al., 933

JAVERT, C. T., 915, jl. al., 169

JAW, 160, 178, 349, 371, 539, 544, 557, 558, 711, 716, 742, 904, 930

JEDBERG, H., jl. al., 728

JEFBERGH, jl. al., 728

JEFBERGH, jl. al., 736

JENNINGS, E. R., jl. al., 365

JENNINGS, G. H., 373

JENSEN, E. W., jl. al., 365

JENNINGS, E. R., jl. al., 365

JENNINGS, G. H., 373

JENSEN, C. W., jl. al., 365

JENNINGS, G. H., 373

JENSEN, E. W., jl. al., 365

JENNINGS, G. H., 373

JENSEN, G. J., jl. al., 360

JONISO, R. W., jl. al., 355

JOHNSON, C. M., 746

OHNSON, E. W., jl. al., 363

JOHNSON, S., 365

JOHNSON, M. H., jl. al., 383

JOHNSON, S., 365

JOHNSON, J. B., 163

JOHNSON, J. B., 164

JOHNSON, J. B., 164

JOHNSON, J. B., 163

JOHNSON, J. B., 164

JOHNSON, J. B., 164

JOHNSON, J. B., 163

JOHNSON, J. B., 164

JOHNSON, J. B., 164

JOHNSON, J. B., 163

JOHNSON, J. B., 164

JOHNSON, J. B., 164

JOHNSON, J. B., 163

JOHNSON, J. B., 163

JOHNSON, J. B., 164

JOHNSON, J. B., 163

JOHNSON, J. B., 163

JOHNSON, J. B., 164

JOHNSON, J. B., 163

JOHNSON, J. B., 163

JOHNSON, J. B., 163

JOHNSON, J. B., 164

JOHNSON, J. B., 164

JOHNSON, J. B., 164

JOHNSON, J. B., 165

JOHNSON, J. B., 164

JOHNSON, J

KAAE, S., 159, 902
KAHLER, H., jt. au., 935
KAHLER, H., jt. au., 935
KAHler's disease, see Myeloma, multiple
KAHN, A., JR., 719
KAISER, R. F., 154
KALT, M., 927

KAMBARA, G. K., 921
KAMEN, M. D., it. au., 376
KAMMERILING, E. M., jt. au., 752
KANAKASABESON, D., 739
KANTER, L., jt. au., 710
KANTOR, S., jt. au., 712
KAPLAN, A., 155
KAPLAN, H., jt. au., 751
KAPLAN, H., 345, 898
KAPLAN, I., 345, 898
KAPLAN, I., 345, 898
KAPLAN, I., 360, jt. au., 729
KARN, M. N., jt. au., 731
KARDASH, T., 360, jt. au., 729
KARN, M. N., jt. au., 731
KARDASH, T., 360, jt. au., 729
KARN, M. N., jt. au., 731
KARDASH, T., 500, jt. au., 153
KAROLH, H., jt. au., 731
KARPAT, R., 159
KARR, J. W., 728
KASDON, S. C., 735
KATTERJOHN, J. C., jt. au., 182
KATZ, H., 175, 903
KAUER, G. L., JR., 923
KAUEMAN, M. S., jt. au., 908
KAUFMAN, S., jt. au., 177
KAY, E. B., jt. au., 177
KAY, E. B., jt. au., 177
KAY, E. B., jt. au., 178
KEARNEY, E. A., jt. au., 726
KEARNEY, E. A., jt. au., 726
KEARNEY, E. A., jt. au., 726
KEALLY, L. S., jt. au., 999
KELLY, T. A., 739
KELLY, M. G., jt. au., 935
KELLY, R. E., 739
KELLY, R. E., 739
KELLY, R. F., 729
KELLY, R. F., 729
KELLY, R. T., 720
KELLY, R. T., 736
KENESO, J. W., 358, jt. au., 731
KENLEGY, J. Jt. jt. au., 935
KELLY, R. P., 726
KELSO, J. W., 358, jt. au., 731
KENLEY, J. Jt., jt. au., 935
KELLY, R. P., 726
KELSO, J. W., 358, jt. au., 731
KENNEOY, T. J., jt. au., 933
KENNEOY, T. J., jt. au., 933
KENNEOY, T. J., jt. au., 934
KENNEOY, T. J., jt. au., 935
KERLY, R. J., jt. au., 736
KENNEOY, T. J., jt. au., 937
KENNEOY, T. J., jt. au., 938
KENNEOY, J. W., 358, 550
KERNOHAN, J. W., 369, 740, jt. au., 740
KERR, D. A., 554
KERNOHAN, J. W., 369, 740, jt. au., 740
KERR, D. A., 555
KIMGOY, J. W., 355
KERNER, J. A., jt. au., 937
KILLONS, J. A., 164
KILDNS, J.

KIRKSEY, O. T., JR., jl. au., 554
KIRSCH, N., jl. au., 716
KIRSCH, N., jl. au., 716
KIRSCH, N., jl. au., 375, 750, 940
KIRSCH, N., jl. au., 375, 750, 940
KIRSCH, N., jl. au., 375, 750, 940
KIRSCH, N., jl. au., 355, 929
KIRSCH, J. B., 350, 716, jl. au., 162, 375
KILSCH, J. B., 350, 716, jl. au., 734
KILAINER, J. B., 350, 716, jl. au., 734
KILAINER, M. J., 710
KILEIN, R. A., jl. au., 376
KILEIN, R. R., jl. au., 376
KILEIN, R. R., jl. au., 376
KILEIN, R. R., jl. au., 375
KILEINER, I. S., jl. au., 374
KILINER, G. H., jl. au., 188, 376
KILINE, B. B., jl. au., 189, 255
KNIGHT, C. D., jl. au., 925
KNIGHT, C. D., jl. au., 925
KNIGHT, F. L., 177
KNIGHT, L. L., 743
KNIGHT, W. R., III, 169
KNOLL, G. M., jl. au., 925
KNUTSSON, F., 175
KOCH, H. W., jl. au., 163
KÖHLER, R., 352
KOJEN, L., 917
KOLLBRUNNER, F., 929
KOLLER, M., jl. au., 163
KÖHLER, R., 352
KOJEN, L., 917
KOLLBRUNNER, F., 929
KOLLER, M., jl. au., 560
KONDE, W. N., 566
KOPPES, R., jl. au., 910
KORESSIOS, N. T., 539
KOLONJA, S., 182
KON, G. A. R., jl. au., 937
KOTC, J., jl. au., 908
KORTEWEG, R., 378, jl. au., 937
KOTC, J., jl. au., 908
KORTEWEG, R., 378, jl. au., 937
KOTC, J., jl. au., 908
KRAISSL, C. Jl. 738
KARISSL, C. Jl. 738
KARISSL, C. Jl. 738
KARISSL, C. Jl. 738
KARISSL, C. Jl. 304, 371
KOLONJA, E., 162, 899
KREMER, H. U., 164
KREMER, H. U., 164
KRETSCHMER, H. L., 154, 918
KRETSCHMER, H. L., 154, 918
KRISTCH, J., 343
KRITLER, R. A., 750, jl. au., 376
KREMEN, A. J., 162, 899
KREMER, H. U., 164
KREMER, M., 342, 361
KRETSCHMER, H. L., 154, 918
KRISTCHER, M., 361
KRETSCHMER, H. L., 154, 918
KRISTCH, J. 343
KRITLER, R. A., 750, jl. au., 376
KUBNICK, N. B., 897
KUUKA, W. 934
KUMPE, C. W., jl. au., 935
KUUKA, W., 934
KUMPE, C. W., jl. au., 910

LA LA LA

LALL

KYLE, L. H., 714

LABARGE, O. J., ji. au., 720

LABRY, R., 914, ji. au., 902

LABRY, R., 918

LACASSAGRE, A., 936

LACHAPÈLE, A. P., ji. au., 929

LACKEY, M. D., ji. au., 934

LACOUR, F., ji. au., 936, 940

Lacrimal gland, 536

LA DUE, J. S., 356, ji. au., 539

LAFFITE, J. S., 356, ji. au., 539

LAFFITE, 190

LAFITTE, A., ji. au., 713, 745

LAHEY, F. H., 157, ji. au., 167

LAICO, J. E., 372

LAINĒ, ji. au., 898

LAKHANI, N. D., 552

LALIOUM, E., ji. au., 924

LAMARÇUE, P., 901

LAMBERT, A., 932

LAMBERTON, L. F., ji. au., 157, 711

LAMOTTE-BARRILLON, S., ji. au., 734

LANDELIUS, E., 16.2
LANDING, B. H., #. au., 183, 563
LANDIVAR, A. F., 900
LANDMESSER, W. E., #. au., 937
LANG, H., 897
LANG, W. J. au., 360, 730
LANGER, L., #. au., 181
LANGER, L., #. au., 181
LANGER, L., #. au., 185
LANGER, W. D., 178
LANGER, W. D., 178
LANGER, W. D., 178
LANGER, W. D., 178
LANGER, W. D., 176
LANSING, A. I., 376
LANSING, A. I., 376
LANSING, A. I., 376
LANSING, A. I., 376
LANSING, E. F., #. au., 156
LANZIL, L. H., #. au., 156
LANZIL, L. H., #. au., 156
LANZIL, L. H., #. au., 158
LAPEVRERE, J., #. au., 164
LAPEURER, P., 927
LAQUEUR, G. L., 172, 747
LAQUEUR, H. P., #. au., 531
LARGE, A. M., #. au., 919
LARDER, J. M., #. au., 531
LARGE, A. .906
LARIMER, R. C., 746
LARKIN, C. L., 343
LARGHANG, A. M., 740
LARSON, E. ., #. au., 164
LARSON, E. ., #. au., 164
LARSON, E. ., #. au., 164
LARSON, L. W. #. au., 709
LARSSON, L. G., #. au., 751
LATYNGOÍSSURE, SEE SUTSETY, laryng LARSON, E. ., #. au., 709
LARSSON, L. G., #. au., 751
LATYNGOÍSSURE, SEE SUTSETY, laryngolfssure, See Sutspery, larynx
LATYNGOSSURE, SEE SUTSETY, laryngolfssure, See Sutspery, larynx
LATYNGOSSURE, SEE SUTSETY, LATYNGOLF, J. & au., 751
LATYNA, 158, 179, 182, 372, 742, 930
LASSITISKI, I., 747
LASEETER, J., #. au., 540
LASTER, J. S., #. au., 540
LATTER, R., 927
LATTMAN, I., #. au., 374, 559
LAUGHLIN, J. S., #. au., 156
LAUGHLIN, V. C., 171
LAVALLE, L. L., #. au., 732
LAWRENCE, H. C., 161
LAWRENCE, J. S., 157, #. au., 927
LAYANI, F., 736
LAGHLIN, J. S., #. au., 732
LAWRENCE, J. H., 346, 712, #. au., 925
LEDDY, E. T., 172
LEDESMA, D., 157
LEDLIE, R. C., B., 347
LEDELE, R. C., 161
LAWRENCE, J. H., 346, 712, #. au., 925
LEDDY, E. T., 172
LEDELE, R. C., 161
LERSER, F., 179
LEDLIE, R. C., 161
LERSER, F., 179
LEBLER, M., 936
LEESER, F., 178
LEBLER, M., 930
LEESER, F., 178
LEBLER, M., 930
LEESER, F., 179
LEBLER, M., 930
LEESER, P., 179
LEBLER, M., 930
LEESER, P., 179
LEBLER, M., 931
LEESER, P., 944
LEBOVIC, R., #. au., 173
LEMBUR, M., 955, #. au., 755
LEDLE, M., #. au., 735
LEPROVITS, A. M., 160
LEGGA, T., 719, 723
LEBLEMB, M., 936
LEDNORG, M.,

Leptomeninges, see Meninges
LERICHE, J., 344
LERNER, C., 176
LEROUX-ROBERT, J., 930
LESCALE, M., 164
LESNEY, T.A., ji. au., 558
LESNICK, G., 546
LESOBER, R., ji. au., 734
LESTER, R. A., ji. au., 134
LESTRADET, H., ji. au., 910
LETTRE, H., 941
LEULUTIA, T., 365, 710, ji. au., 159
LEUCUTIA, T., 365, 710, ji. au., 159
LEUCUTIA, T., 365, 746, 367, 735-7, 746, 922, 923-4, 934
and agranulocytosis, 553 922, 923.4, 934
asd agranulocytosis, 553
herpes zoster, 173
histoplasmosis, 553
tuberculosis, 553
tregnancy, 174
blood transfusions in, 539, 736
bone sclerosis in, 554
cholinesterase levels in, 553, 734
diagnosis by bone marrow puncture,
539
elimination of injected 3.4-benzovrene diagnosis by one marrow puncture.

59 one marrow puncture.

187
emotions as cause of, 174
heterophile antibody titer in. 172
immunization studies in birds, 938
kidney in, 182
lymph-node biopsy in, 709
neurological syndromes in, 735
pathogenesis, 173
skeletal lesions in, 182, 735
therapy, 9-aminobenzoic acid, 174
aminopterin. 173, 366, 735, 736,
antiblotics, 174
antimony salts, 736 aminopterin, 173, 366, 735, 736, 746, 923
antibiotics, 174, 923
antibiotics, 174, 923
antibiotics, 174
antimony salts, 736
carbamates, 184, 784, 934, 937
folic acid analogues, 736
glycolytic-inhibitor, 897
nitrogen-mustard, 156, 173, 174, 366, 553, 734
pyridoxine-deficient diet and desoxypyridoxine, 737
radioarsenic, 735
radiophosphorus, 173
radioasolium, 173
urethane, 553, 735, 736, 923, 924
(avian), role of viruses in, 938
(cow), 189
(dog), 566
(guinea-pig), 183
(mouse), 939
and sex hormones, 736
effect of acid-base equilibrium, 937
aminopterin, 560
carbamates, 184, 748, 934, 937
2,6-diaminopurine, 561
estrogen, on incidence of, 750
haloalkylarylamines, 560
nitrogen mustards, 184
tissue extracts, 185
urethane, 937
vaccine virus, 376
genetic studies, 188, 189, 378
serologic study of spleen, 749
eukemiod treaction, in malaria, 736 genetic studies, 188, 189, 378
genetic studies, 188, 189, 378
genetic studies, 188, 189, 378
Leukemid cutis, 736
Leukemoid reaction, in malaria, 736
in tuberculosis, 924
Leukoderma and cancer, 368
Leukoplakia, 362, 727, 908, 913
Leukosis, lymphoblastomic, 735
LEURET, J., ii. au., 741
LEUHARDT, F. M., ji. au., 940
LEVEN, W. P., 176
LEVERNIEUX, J., ji. au., 929
LEVIN, M. L., 154
LEVIN, M. L., 154
LEVIN, E. M., ji. au., 174
LEVINE, B. E., ji. au., 174
LEVINE, M. G., 752
LEVINSTONE, B., ji. au., 174
LEVINSTONE, B., ji. au., 914
LEVENT, M. T. 20, 910
LEVY, S., 349
LEVIN, G. T., 55
LEWIS, L. G., 365
LEWIS, E. L., ji. au., 363
LEWIS, G. T., 752
LEWIS, L. G., 365
LEWIS, M. R., 565
LEWIS, M. R., 565
LEWIS, R. M., 740
LEWIS, R. S., 373
LI, K., ji. au., 926
LEWIS, R. S., 373
LI, K., ji. au., 751
LIANG, H., 375
LIANG, H., 375
LIANG, H., 375
LIANG, K., 168

RE [1111

LICHTENSTEIN, L., jl. au., 371

LIDÉN, K., 345, 349

LIECKER, H., 904

LIKELY, D. S., 720

LIKELY, D. S., 720

LIKELY, G. D., jl. au., 560

LILLIE, H. I., 179

LIMARZI, L. R., 735

LINDERT, M. C. F., 349, jl. au., 724

LINDERT, H., 795

LINE, M. R., 930

LINE, M. R., 930

LINE, M. R., 930

LINE, A., 924

Lipidolography for diagnosis of lung cancer, 746

Lipoane, 171, 346, 349, 350, 367, 713, 714, 718, 719, 720, 721, 722, 725, 901, 903

Lipomatosis, 924

Lipoane, 171, 346, 349, 350, 367, 713, 714, 718, 719, 720, 721, 722, 725, 901, 903

Lipomatosis, 924

Liposarcoma, 175, 714, 737

experimental, and diet, 751

LIPPERT, L. G., ji. au., 550

LIPTON, B. S., 174

LISA, J. R., jl. au., 560

LIST, C. F., 927

LITLE, P. A., 185

LITMANN, I., jl. au., 564

LITWINS, J., jl. au., 564

LITWINS, J., jl. au., 564

LITWINS, J., jl. au., 720

LIVER, A. (A.) S., jl. au., 732

LIU, Y., 554

Liver, 164, 355, 374, 723-4, 746, 897, 910, 934

cirrhosis after infectious hepatitis, 724
function studies in breast cancer, 159 in multiple myeloma, 741

(dog), fibrosarcoma, 378

hepatoma, 153

(hog), lymphoblastoma, 378

(mouse), effect of carcinogens on ascorbic acid content, 564

(rat), azo-dye tumors, 752

cancer due to p-dimethylaminoazo-benzene compounds, 186

carbonic anhydrase in, 566

catalase activity in cancer, 753

effect of aminoazo-dye tumors on riboflavin content, 188

carcinogens on ascorbic acid content, 564

increased weight with tumors, 564

tumors after thiourea or thioace
etamide, 749 753 therapy for radiodermatitis, 554 tumors after thiourea or thioac-etamide, 749 therapy for radiodermatitis, 554 tumors after thiourea or thioac etamide, 749
Livernodre, G. R., 172
Livinostone, R. G., ji. au., 168
Li Voti, P., 183
Liambés Estrada, J. J., 895
Llovd, B. J., ji. au., 363
Llovd, B. J., ji. au., 353
Llovd, P., ji. au., 353
Llovd, P. Ji. au., 357
Lobell, G., ji. au., 357
Lobell, G., ji. au., 359
Lobell, E. A., 559
Lobell, E. A., 559
Lobell, B. J., ji. au., 359
Lobell, B. J., ji. au., 350
Lobell, B. J., 32
Lofffield, B. B., ji. au., 350
Lobell, B. B., ji. au., 350
Lobell, B. J., ji. au., 350
Lobell, B. Ji. au., 350
Longarder, B. Ji. au., 350
Lorell, J. Ji. au., 350
Lovella, A. J., ji. au., 350
Lovella, A. J., ji. au., 543
Lovel, J. G., 715
Loveman, A. B., ji. au., 359
Lowell, A. J., ji. au., 543
Lovel, J. G., 715
Loveman, R. M., 907
Löbelhit, K., 544
Lucla, S. P., ji. au., 713
Luck, J. M., ji. au., 752
Lound, J., Ji. Ji. au., 563, 942
Lobun, M., Ji. au., 753
Luikart, C. B., 156

LUMB, G., 179
LUMBERS, A., 894
LUNDGERN, N., 740
LUNDSTERN, E., jl. csi., 544
Lung, 180-2, 343, 348, 373, 558-9, 744-6, 894, 930, 931
abscess due to bronchial cancer, 743
cancer, cavitary form, 931
nitrogen-mustard therapy, 734
with pulmonary tuberculosis, 931
simulating primary bladder cancer, 931
in women, 933 in women, 933
metastases of testicular epithelioma
and tuberculosis, 921
trauma and cancer, 933
(mouse), adenoma after prenatal
urethane, 376
due to urethane, 751
LUNIN, A. B., 727
Lupus erythematosus and epithelioma,
925, 926
LUQUET, G., 737
LUSCOMBE, H. A., jl. au., 925
LUSCOMBE, H. A., jl. au., 925
LUSCOMBE, H. A., 749,
751 751
LYMAN, E. E., 160
Lymphadenoma, 904
Lymphadenopathy, 173, 737, 900. See also Adenopathy
Lymphangioma, 164, 713, 898, 901, 903, 905
fetal, 544 Lymphedema and mastectomy, 347 Lymph nodes, metastases, see Metas-Lympn nodes, metastases, see Metastases Lymphoblastoma, 175, 541, 710, 731, 737, 924 and histoplasmosis, 553 (cow), 189 (hog), 378 (hog), 378
Lymphocytoma, 905
Lymphocytoma, 905
Lymphogrithelioma, 558, 742
Lymphogranulomatosis, see Hodgkin's
disease
Lymphogranuloma, 173, 175, 179, 354, 366,
553, 737, 924
human hepatic and splenic extracts,
effect on lymphatic system of
animals, 751
malignant, intraocular transplant, 936
(mouse), and age, 185 malignant, intraocular transplant, 936 (mouse), and age, 185
Lymphomatosis (avian), 189, 566, 750
Lymphopathia venereum, and cancer of rectum, 164
Lymphopenia after irradiation, 157
Lymphosarcoma, 173, 175, 182, 352, 374, 541, 543, 546, 558, 559, 720, 726, 731, 737, 900, 905, 922, 924, 932
and chylothorax, 554
therapv, elveolytic-inhibitor, 897 and chylothorax, 554
therapy, glycolytic-inhibitor, 897
nitrogen-mustard, 156, 173, 367,
734, 735
pyridoxine-deficient diet and desoxypyridoxine, 737
radiosodium, 173
(dog), 754, 942
(horse), 942
(mouse), 937, 939
(rat), 186, 759
Lynch, J. P., 559
Lynch, J. P., 559
Lynch, M. G., 179
Lyon, G. M., 712 Lyon, G. M., 712

MAAS, J. M., 168

MABON, R. P., 740, ji. au., 739, 740

MACALPINE, J. B., 552

McANALLY, A. K., 555

McAULIFE, V., 559

McCABE, E. S., ji. au., 161

McCALLISTER, J. W., 548

McCANLUM, R. I., 373

McCANCLESS, P. D., 743

MACCARTY, W. C., SR., 545

McCARTY, W. C., SR., 545

McCARTY, W. G., SR., 545

McCARTY, W. Ji. au., 708

McLINAHAN, B. J., 350

McCLEMENT, P. ji. au., 710

McCLINTOCK, J. C., 726, ji. au., 731

McCRACKEN, W., Ji. au., 731

McCRACKEN, W., 318

McCULLAGH, E. P., 539

McCULLAGH, E. P., 539

McCULLAGH, E. P., 539

McCUTCHEON, M., 183

McCUTCHEON, M., 183

McCDEVITT, M., ji. au., 748

MACDONALD, E. J., 154, 538

MACDONALD, I., 347, 914
MACDONALD, I. B., ji. au., 367
MCDONALD, J. B., ji. au., 367
MCDONALD, J. B., ji. au., 367
MCDONALD, J. R., 363, 744, ji. au., 155, 180, 367, 543, 725, 732, 743, 744, 905, 917
MACDOWELL, E. C., 189, ji. au., 939
MCDOWELL, M. ji. au., 898
MCDOWELL, M. ji. au., 898
MCDOWELL, M. ji. au., 750
MCEWEN, D. S., 373
MACPARLANE, C., 357, 550, 896
MACGARITY, K. A., 895
MCGGNINIS, F. T., 546
MCGRATITY, K. A., 895
MCGGRAW, A. B., 347, 543
MCGREGOR, A. L., 905
MCHARDY, G., 160, ji. au., 350, 717
MACHLE, W., 744
MCINTOSH, H. C., 914
MACK, S. G., 330, ji. au., 717
MACKENZIE, H. L., ji. au., 378
MACKENZIE, H. L., ji. au., 931
MCGKEGOR, A. L., 931
MACMAGNAN, N. F., ji. au., 939
MACMANUS, J. E., ji. au., 168
MCMILLAN, J. T., ji. au., 939
MACMANUS, J. E., ji. au., 168
MCMILLAN, J. T., ji. au., 939
MCNABB, J. F., 728
MCNMARA, W. L., ji. au., 541
MACNAGNAGNION, E. A., ji. au., 720
MCNEALY, R. W., 352, 354, 547
MCNEER, G., 162, ji. au., 541
MACNAGHOTON, E. A., ji. au., 720
MCNEALY, R. W., 352, 354, 547
MCNEER, G., 162, ji. au., 549
MCPHEE, J. G., ji. au., 910
MCPHEE, J. G., ji. au., 934
MAISIN, J., 902
MADDOCK, W. G., 722
MADDOCK, W. G., 722
MAHAN, T. K., 555
MAHON, H. W., ji. au., 351
MANN, B., 989, ji. au., 351
MAINS, M., 989, ji. au., 351
MAINS, M., 989, ji. au., 354
MAINON, J. A., ji. au., 157
MAHER, H. C., 541, 930
MALETI, J. 922
MALLET-GUY, P., 910
MARCUS, S., ji. au., 735
MACUS, S., ji. au., 736
MALLET, J. au., 905
MALLET-GUY, P., 910
MARCUS, MARINELLI, L. D., 549, 899, 31. 684

MARINELLO, Z., 31. 684, 924

MARINELLO VIDAURRETA, Z., 924

MARINO, H., 716

MARKS, E. K., 31. 684, 375, 747

MARKS, J. H., 361

MARKSON, L. S., 734

MAROUN, T., 31. 684, 894

MARQUÈS, P., 929, ji. au., 903, 914
MARROCCO, W. A., 741
MARRUBINI, G., 729
MARSHALL, A. G., 731
MASSHALL, F. A., 717
MASSHALL, S. F., 900
MASSHALL, V. F., 732, 918, ji. au., 170
MASTILLI, C., 932
MASTELLI, C., 932
MASTERNS, V. E., 368
MARTIARNA, L. H., 907
MARTIN, C. L., 359, 555
MARTIN, H., 158
MARTIN, H., 158
MARTIN, J. F., 40, 40, 40
MARTIN, J. J., 40, 40, 555
MARTIN, J. F., 140, 40, 555
MARTIN, J. F., 919, 924,
MARTIN, J. F., 919, 924,
MARTINDALE, L., 60
MARTINDALE, L., 60
MARTINDALE, L., 60
MARTINEZ, J., 1932
MARTINEZ, J., 932
MARTINEZ, J., 943
MARTINEZ, J., 943
MARTINEZ, J., 944
MARX, W., 752
MARVIN, C. F., 945
MARVIN, C. F., 946
MARX, R., 714
MASON, E. J., ji. au., 709
MASMONTELL, F., 744
MASSIE, M., ji. au., 565
MASON, H., 540
MASSAS, C., 914
MASSIA, M., ji. au., 559
MASSON, P., 926
MASSAS, C., 914
MASSIA, M., ji. au., 158
MASSIAS, C., 914
MASSIAS, C., 914
MASSIAS, C., 914
MASSIE, M., ji. au., 159
MASSON, P., 926
MASSAS, C., 914
MASSIAS, C., 914
MASSIAS, C., 914
MASSIE, M., ji. au., 169
MATHEWS, M., ji. au., 195
MATHEWSON, C., Ji., ji. au., 355
MATHEY-CORNAT, R., 181
MATT, J. G., 352
MATHEY, CORNAT, R., 181
MATT, J. G., 352
MATHEY, CORNAT, R., 181
MATT, J. G., 352
MATHEY, CORNAT, R., 181
MATT, J. G., 352
MAYER, M., ji. au., 925
MATHEWSON, C., Ji., au., 359
MAYER, M., ji. au., 926
MAVER, M., ji. au., 990
MAYER, M., ji. au., 994
MAYER, M., ji. au., 999
MAYER, M., ji. au., 990
MAYER, M., jii. au., 990
MAYER, M., jii. au., 990
MAYER, M., jii 541, 713, 739, 749, 900
Medulloblastoma, 178, 547, 740, 926, 934
Medulloblastoma, 178, 547, 740, 926, 934
Mether Howji, D. R., 371
Meics, J. V., ji. au., 343, 351
Meigs's syndrome, 169, 361, 731
Meigs's syndrome, 169, 361, 731
Meiger, P. H. V., ji. au., 377
Meisen, R. H. V., ji. au., 377
Meisen, H. J., 732
Meisser, R. J., 739
Meisser, R. J., 749
Meisser, R. J., 737
Melanoblastoma, 368, 925
Melanopeithelioma, 548
Melanoma, 160, 168, 175, 178, 345, 554, 555, 738, 739, 897, 909, 913, 925
copper metabolism in, 177
incidence in Negro, 368
nonpigmented, 176, 177
(animal), effect of aminopterin, 939
(mouse), 748, 934
Melanosis, 368, 739, 925
Melanuria, with melanoma, 739
Meilcow, M. M., ji. au., 746
Meilo, F. F. De, ji. au., 349
Melanosis, S. B., ji. au., 356, 733
Memmelaar, J., 364
Menarche, delayed, and uterine cancer, 360
Mendelsohn, H. I., 739 360 MENDELSOHN, H. J., 739

MENDELSOHN, W., ji. au., 907 MENDLOWITZ, M., 172 MENDOZA, D., 925 MENDOZA, P. N. T., ji. au., 924 MENGEL, C. L., 347 Meninges, 369, 543, 555, 556, 738, 740, Meninges, 309, 543, 555, 550, 738, 749, Meninges, 369, 556, 740, 926, 927 infraspinal, with breast cancer, 542 Meningiomatosis, meningeal, 556 Meningosarcoma, 740 Meningosarcoma, 740 Meningosarcoma, 926 Menkin, V., 563 Menozzi, G., 373 Menten, M. L., Ji. as., 934 Mencer, R. D., Ji. as., 934 Mercer, R. D., Ji. as., 173 Merebith, C. Jr., 921 Merkeley, D. K., 344 Merram, G. R., Jr., Ji. as., 740 Merram, G. R., Jr., Ji. as., 740 Merram, 745 Merram, 747 Merchennoser, M., Ji. as., 725 Mesentery, 374, 713 Mesothelioma, 158, 181, 713, 921 Metabolism. See also Chemistry and metabolism after pancreaticoduodenectomy, 355 carbohydrate with storage. metabolism after pancreaticoduodenectomy, 355 carbohydrate, with stomach cancer, 377 carb hydrate, with stomach cancer, 377
Metachromatic dyes, effect on mouse carcinoma, 186
Metalloporphyrins in cancer detection and therapy, 187
Metaplasia, squamous, of prostate, due to stilbestrol, 733
Metastases, abdomen, 165
adrenals, 921
antrum, 734
appendix, 352
blood vessels, 720
brain, 369, 733, 921
breast, 168, 921
bronchi, 180
choroid, 347, 921
cranium, 181, 558
endometrium, 171
esophagus, 355
gum, 741
heart, 169, 354, 355, 546, 554, 739, 743, 921,925, 931
intestine, 168, 921
jaws, 557
jejunum, 554
kidney, 739
lip, 734
liver, 334, 355, 356, 546, 547, 716, 720, 733, 739, 742, 910, 921 lip, 734 liver, 354, 355, 356, 546, 547, 716, 720, 733, 739, 742, 910, 921 lung, 168, 181, 189, 354, 356, 371, 552, 554, 559, 716, 723, 731, 739, 740, 742, 744, 904, 917, 921, 922 lymph nodes, 347, 350, 358, 543, 549, 554, 556, 713, 716, 720, 723, 734, 738, 739, 741, 742, 908 mastoid, 553 mediastinum, 165 mediastinum, 165 meninges, 158, 543 nasopharynx, 168 nerves, 720 nerves, 720 of adamantinoma, 371, 742 adenocarcinoma, stomach, 545 uterus, 168, 169 angiosarcoma, 742 argentaffinoma, 546 argentaffinoma, 546
cancer, adrenal cortex, 165, 356
auditory meatus, 739
breast, 158, 159, 347, 543, 709,
714, 715, 901
bronchi, 372, 743, 931
cervix, 168, 727
colon, 908
esophagus, 544
kidney, 171, 180, 189, 361, 552,
709
liver, 773 liver, 723 lung, 558, 709 nasopharynx, 734 ovary, 730 pancreas, 355, 910 prostate, 363, 553, 709, 714, 733, 720 rectum, 354, 355, 722, 740, 908 stomach, 720, 906 testis, 160, 553, 921 thymus, 166 thyroid, 356, 549, 913 uterus, 360 carcinoids, 352, 546, 721 central nervous system tumors, liver, 723

l nervous system tumors, 555

central

0

88

14

26.

er.

chondrosarcoma, 741 dysgerminoma, 559, 731 epithelioma, 904, 921 Ewing's sarcoma, 370 giant-cell tumor, 930 hypernephroma, 361, 731, 917 Krukenberg's tumor, 169 lacrimal gland tumors, 556 leiomyosarcoma, 551, 910 lymphoepithelioma, 742 lymphosarcomatous ulcers, 554 melanoblastoma, 925 meningiosarcoma, 740 lymphosarcomatous ulcers, 554 melianoblastoma, 925 meningiosarcoma, 740 microcytoma, 373 parotid gland tumors, 905 pinealoma, 926 sarcoma, 184 tumors, 905 pinealoma, 926 sarcoma, heart, 715, 716 synovium, 554 uterus, 360 seminoma, 365, 733 ovary, 552, 901 pancreas, 906, 921 parotid gland, 543 pelvis, 354, 355 penis, 734 peritoneum, 714 retroperitoneum, 375 sacrum, 371 skeleton, 158, 159, 354, 360, 372, 374, 549, 554, 709, 714, 716, 722, 731, 742, 901, 913, 920 skin, 171, 373, 553, 908, 921 spinal cord, 733, 926 spleen, 739 stomach, 921 testis, 361 thalamus, 740 stomach, 921 testis, 361 thalamus, 740 thyroid, 731 ureter, 727 uterus, 901 vagina, 552 vagina, 532 Metcalpe, E. M., 374 Methadone, 539 Methionine, distribution in cancerous tissues, 899 studies in rats fed azo dyes, 752 Methoxy bisdehydro doisynolic acid, Methoxy 1 Methyl-bis (β-chloroethyl) amine hy-drochloride, see Nitrogen musdrochloride, see Nitrogen mus-tards
Methylcholanthrene, as carcinogen, 186, 375, 562, 749, 750, 751, 936
effect on chorionic gonadotropin action on mouse ovary, 749 frog's kidney, 376
Paramectum viscosity, 560
Methylene blue, reduction in cancer diagnosis, 155 Methylene blue, reduction in cancer diagnosis, 155
Metopon, 539
Metopon, 539
Metoger, H., 725
Meurman, O. H., 740
Meyer, A. C., 543
Meyer, B. C., 927
Meyer, B. C., 927
Meyer, L. M., 735
Meyer, D. M., 736, 11. au., 183, 734
Meyer, L. M., 736, 11. au., 183, 734
Meyer, C. O., 175, 134
Meyer, W. H., 345
Meyer, M. H., 557
Meyer, W. H., 345
Meyer, W. H., 349
Meyer, M. C., 11. au., 930
Meyer, M. C., 11. au., 930
Meza-Cirly, 11. au., 930
Meza-Cirly, 11. au., 931
Microcoytoma, 373
Microcytoma, 373 Microscopy, electron, 183, 708, 747, 753, 935 1935 ultraviolet, 375
ultraviolet, 375
ultraviolet, 375
ultraviolet, 375
ultraviolet, 375
ultraviolet, 375
ultraviolet, 183, 375, 377, 750
MILLER, C. J., ji. au., 548
MILLER, D., 179, 354, ji. au., 546
MILLER, E., ji. au., 562
MILLER, E. A., 732
MILLER, E. A., 732
MILLER, E. R., 157
MILLER, F. R., 174
MILLER, F. R., 174
MILLER, J. M., ji. au., 709
MILLER, J. A., ji. au., 188
MILLER, J. A., ji. au., 732

MILLER, N. F., 550, ji. as., 361

MILLERET, P., ji. as., 927

MILLER, G., ji. as., 350

MILLER, P., 741, ji. as., 736

MILLER, P., 741, ji. as., 736

MILLER, P., 741, ji. as., 736

MILLOT, ji. as., 743

MILLS, E. P., 387

MILLS, E. P., 387

MILLS, S. D. ji. as., 736

MILLS, S. D. ji. as., 736

MILLS, S. D. ji. as., 736

MILLS, S. D. ji. as., 737

MILLS, W. M., ji. as., 907

MILKER, A., 71, 539

MILSON, L., 731

MILLS, W. A., 918

MISON, L., 731

MINCON, P., ji. as., 735

MINO, V. H., ji. as., 177

MINOUZE, J., ji. as., 350

MINO, V. H., ji. as., 177

MICHELL, D., 371

MICHELL, D., 371

MICHELL, J. S., 710

MICHELL, R. W., ji. as., 360

MICHELL, N., 185

MOTONIC Carcinogers on, 936

neoplastic cells, electron microscopic studies, 935

MISSON, W. C., ji. as., 168

MOACYE, ji. as., 558

MOSEGHIN, S., 185

MOFFITT, H. C., Ji., as., 558

MOSEGHIN, S., 185

MOFFITT, H. C., JR., 924

MOHS, F. B., 308, 538, 555, 716

Mole, malignant, 925

multiple, with sebaceous adenoma, 738

MOLLARD, Ji. as., 906

MOLLARD, Ji. as., 906

MOLLARD, J. as., 906 Mons, F. E., 368, 538, 555, 716

Mole, malignant, 925

multiple, with sebaceous adenoma, 738

Mollascum fibrosum, 175

Molloscum fibrosum, 175

Molloscum fibrosum, 175

Molloscum fibrosum, 175

Molloscum, 171, 484, 376

Monsiscoff, V., ji. 484, 389

Monkey, effect of carcinogens on, 186

Mondollo, 0, ji. 684, 713, 745

Monroe, C. W., 543

Monroe, R. F., 361

Montachin, ji. 484, 188

Montachin, ji. 484, 188

Montachin, ji. 484, 188

Montachin, ji. 484, 188

Montachin, ji. 484, 367

Montigomery, J. L., 920

Montigomery, J. L., 920

Montigomery, J. L., 920

Montigomery, J. L., 930

Montigomery, J. L., 930

Montigomery, J. L., 930

Montigomery, J. L., 939

Montigomery, J. L., 930

Monge, E. L., 739

Moore, E. L., 739

Moore, B. J., ji. 684, 920

Moore, J. R., ji. 684, 920

Moore, J. R., ji. 684, 920

Moore, M., 734

Moore, M., 734

Moore, M., 18, 557

Moore, M., 18, 557

Moore, M., 18, 557

Moore, M., 18, 557

Moore, M., 18, 684, 918

Moreno, J., 896, 921, 942

Moreno, Morel, H., ji. 684, 918

Moreno, J., 896, 921, 942

Moreno, R. D., 722

Moreno, R. D., 723

Morensen, L. F., 930

Morensen, L. F., 931

Moreno, D. G., 738

Morton, D. G., 738

Morton, D. G., 738

Morton, D., J., 539, ji. 684, 750

Morton, P. C., 354

Moucher, J., 1931

Morton, D., 63

Mover, J. H., 931

Mover, P., 904

Muckler, R., 719

Muller, J. H., 931

Mover, J. H., 931

Mover, J. H., 931

Moulder, J., 14, 689

MUELLING, R. J., JR., 368
MURHEAD, E. B., 925
MUKHERJEE, H. N., 897
MULLENIX, R. B., 552
MULLIKEN, R. M., 566, 753, 942
MULLIKEN, B., jt. au., 187, 376, 750
MULRY, W. C., jt. au., 737
Multiple primary neoplasms, 158, 163, 164, 181, 351, 353, 356, 545, 547, 557, 907, 908
(dog), 198 Muttiple primary neoplasms, 158, 163, 164, 181, 351, 353, 356, 545, 547, 557, 907, 908 (dog), 181, 357, 907, 908 (Murley, R. S., 177 Murphy, E. A., Ji. am., 356 Murphy, E. D., Ji. am., 940 Murphy, E. D., Ji. am., 924 Murphy, J. 186 Murphy, J. C., 367, Ji. am., 922 Murray, M. G. D., 723 Murray, W. G. D., 724 Murray, M. G. Musgarott, J. E., 367 Murgarott, J. E., 367 Murgarott, J. E., 367 Murray, M. Murray, M 927
agglutinins in, 371
diagnosis by bone marrow puncture, 539, 709, 742
effect of erysipelas on, 929
2-hydroxystilbamidine therapy, 929
pentamidine therapy, 929
urethane therapy, 741
Myelosarcomatosis, see Myeloma, multiple Myelosis-bone sclerosis in, 554
nitrogen mustard therapy, 734 Myelosis@bone sclerosis in, 554 nitrogen mustard therapy, 734 plasma-cell, 742, 929 MYERS, W. G., 712 MYERS, W. P. L., jt. au., 553 Myocardium, see Heart Myoma, 162, 728, 730, 915 Myosarcoma, 168, 913 (rat), 749 Myxochondrosarcoma, 179 Myxochondrosarcoma, 179 Myxofbrosarcoma, 175 Myxofibrosarcoma, 175 Myxoma, 713, 715, 716, 904, 929 infectious, 921 Myxosarcoma, 730

NABATOFIA, 10.5

NABATOFIA, 10.5

NACHLAS, M. M., 936

NADAL, 904

NADAL, R., 905

NADEL, E. M., 751

NAEF, A., ji. au., 750

NAIL, J. B., 558

NANSON, E., 353

B. Naphthylamine. as carcinogen, 538

NAPOLITANO, A. G., 907

NASOpharynx, 158, 557, 558, 734, 742, 930 NAPOLITANO, A. J., 707
NASOPLATPIX, 158, 557, 558, 734, 742, 930
NATOLI, W., ji. au., 169
NEAL, W. B., JR., ji. au., 735
NEALE, A. E., 934
NEBEL, A., 343
NEBEL, A., 343
NEBEL, A., 343
NEBEL, A., 343
NECK, 157-8, 177, 346, 541, 713, 725, 900, 926
Necrosin, effect on mouse tumors, 563
Needle aspiration, see Biopsy
NEEL, H. B., 350
NEGRE, P., ji. au., 914
Negroes, cancer in, 714, 716, 719, 746, 913
incidence of melanoma, 368
myasthenia gravis in, 166
NEIDHARDT, H. W., 549
NELSON, A. A., jt. au., 749
NELSON, H. M., 552, 731
NELSON, J. D., 724
NÉMETH, L., ji. au., 186
NEMOURS-AUGUSTE, 717, ji. au., 719

Neoplasms of Bone and Related Conditions (book review), 928
Nephroma, 361
(dog), 189
Nervous system, 177-8, 368-70, 555-7,
1esions, with lung cancer, 932
NESBIT, R. M., 918
NESBIT, R. M., 918
NESBIT, R. R., jt. au., 923
NESSET, W. D., jt. au., 548
N-ethyl-3:4:5:6-dibenzcarbole, as carcinogen, 185
NETTLES, J. B., jt. au., 168
NETY, J., jt. au., 966
NEUHAUS, J., jt. au., 916
NEUHAUS, J., jt. au., 946
NEUHAUS, J., jt. au., 942
NEUHOP, H., 181, 745
NEUMANN, C. G., jt. au., 542
Neurinoma, 175, 177, 556, 739, 900, 925
Neuroblastoma, 373, 559, 746, 926. See also Glioma
Neurofibroma, 369, 546, 556, 717, 719, 720, 739, 747, 926
Neurofibromatosis, see von Recklinghausen's disease
Neuroma, 349, 739
Neurosarcoma, 369
NEUSTABEDTER, T., jt. au., 169
Neutron therapy, 157
Nevus, 554, 555
NEW, G. B., 742, jt. au., 930
NEUCOMB, D., jt. au., 163
NEWCLL, F. W., 179
NEWLADOMSKI, M. M., 896
New Jersey, cancer control, 708
NEWMAN, H. R., 552
NEWTON, B. L., jt. au., 931
NICKERSON, W. J., jt. au., 914
NIZALD, P., 713, 745
NICHET, L., 180, jt. au., 155
NICKSON, J. J., it. au., 914
NIZALD, P., 713, 745
NICHET, L., 180, jt. au., 155
NICKSON, J. J., it. au., 914
NIZALD, P., 713, 745
NICHET, L., 180, jt. au., 155
NICKSON, J. J., it. au., 914
NIZALD, P., 713, 745
NICHET, L., 180, jt. au., 155
NICKSON, J. J., it. au., 914
NIZALD, P., 353
NICKERSON, W. J., jt. au., 155
NICKSON, J. J., it. au., 914
NISLEN, A., jt. au., 914
NISLEN, A., jt. au., 914
NISLEN, A., jt. au., 915
NIBURGR, H. E., jt. au., 168
NIELSEN, A., jt. au., 917
NISSEN, R., 544
NISSON, G., 740
NINNI, M., jt. au., 924
NISHIMURA, E. T., jt. au., 560, 897
NISSEN, R., 544
NITSOR, A., 361
Biological action of, 747
coagulation defect due to, 184
effects on human tissues, 156, 366
livid and nucleic acid concentra-538 biological action of, 747 coagulation defect due to, 184 effects on human tissues, 156, 366 lipid and nucleic acid concentra lipid and nucleic acid concentra-tions of mouse thymoma, 188 mouse leukemia, 184, 560 mouse lymphoid tissue, 748 inactivation of complement by, 184 synergiam with urethane in leukemia, 937 therapy, 156, 173, 174, 175, 180, 346, 366, 563, 710, 734, 897, 922 bronchogenic cancer, 180, 373 Hodgkin's disease, 156, 175, 366, 734, 735 leukemia, 156, 173, 174, 366, 553,

Hodgkin's disease, 156, 173, 366, 734, 735, 1elukemia, 156, 173, 174, 366, 553, 1970

Nucleic acid, and rat hepatoma, 566 in leukemic mouse spleen, 565, 941 in rat intestine after irradiation, 564, Nucleotides, as anticarcinogen, 538 Nucleus, see Cell, nucleus Nye, W. N., jl. au., 940 OBERTI-TONOLLI, G., 907 O'BRIEN, E. J., 373 O'BRIEN, J. P., 350 Occupational cancer, see Industrial O'BRIEN, J. P., 350
O'CCUPATIONAL
CANCER
CARGER
COCANAINA
COCHONIONAL
CARGER
COCANAINA
COLORA
COLORA Orchiectomy, see Castration
Organoautography, 899
ORINGER, M. J., 349
ORISGA, L. G., J. au., 563
ORIMAREA, M., 908
ORION, H. B., 930
OSACAR, E. M., 934
OSBORNE, D. P., 909
OSGOOD, E. E., 174
Osseous system, 178-9, 370-1, 557, 741-2, 927-30
in Hodgkin's disease, 735
in leukemia, 182, 735
in von Recklinghausen's disease, 368
Osteitis deformans, see Paget's disease of bone in yon Recklinghausen's disease, 368
Osteitis deformans, see Paget's disease of bone
Osteitis fibrosa cystica, 166, 911
Osteoarthoraty, pulmonary hypertrophic, 745, 929, 931
Osteochordnoms, 371, 557, 742, 928
Osteoclastoma, 928
Osteoma, 178, 179, 370, 371, 556, 557, 558, 741
Osteoma cutis, 738
Osteomyelitis, 557, 929
chronic, and cancer, 555, 738, 929
Osteosarcoma, 929
Osteosarcoma, 929
Osteosarcoma, 929
Osteosarcoma, 729
Osteosarcoma, 920
Osteosarcoma, 920
Osteosarcoma, 921
Ortoman, R. E., ji. au., 931
Orts, O. M., Jr., ji. au., 735
Ovar, 169, 937, 361, 374, 550, 552, 730-1, 916, 921
in endometrial cancer, 361
pathology found on laparotomy, 361
tumors in hermaphrodite, 730
of hilus cells, 916
(horse), granulosa-cell tumor, 753
OVERHOLT, R. H., 932
OVERMILER, W. C., ji. au., 735
OWEN, R. A. C., 353
Oxy-bis(cobaltodihistidine), 187 Pa, see Radiophosphorus
Pack, G. T., 545, 546, 719, ji, as., 356, 549, 934
PAFR, G. H., 188
PAGANO, A. F., 169
Paget's disease, breast, 159, 714
perianal skin, 548
vulva, 168
Paget's disease of bone, 179, 911, 928
sarcoma in, 557
PAGLIÈRE, L. E., 364
PAILLAS, J., ji, as., 179, 743, 745
PAINTER, E. E., 898
Palate, 348, 349, 544, 904
PALAZZO, W. L., 348
PALEY, K. R., ji, as., 897
Palm, see Hand
PALMER, E. D., 345
PALMER, J. P., 360, 913, jit, as., 359, 914
PALMER, L. H., ji, as., 162, 351, 716
PALMER, L. T., 929
PAN, S. C., 166, 563, 751, ji, as., 561, 562
Pancoast-Tobias syndrome, 181, 932
Pancreast, 164-5, 355, 548, 718, 720, 723, 894, 906, 907, 910. See also
Islets of Langerhans
Pancreaticoduodenectomy, 164, 355, 906, 907, 910
Pancreatitis, 720
differential diagnosis during operation, 907
PANNETT, C. A., ji, as., 547
PAPANICOLAOU, G. N., 745, 915 ji, as., 717
PAPANICOLAOU, G. N., 745, 915 ji, as., 517
PAPANICOLAOU, G. N., 745, 915 ji, as., 517
PAPANICOLAOU, G. N., 745, 915 ji, as., 517
PAPANICOLAOU, G. N., 745, 915 ji, as., 518
Palary cystadenoma lymphomatoserios, see Adenolymphoma
se 731, 743
Papanicolaou test, see Cytology, exfoliative
Papillary cystadenoma lymphomatosum, see Adenolymphoma
Papillary 170, 182, 348, 719, 927
with stomach cancer, 718
(rabbit), 565, 751
PAPILLON, J., 3t., 691, 902
PAPILLON, J., 3t., 691, 902
PAPILLON, J., 3t., 691, 904
PARACCHI, P., 715
Paraganglioma, 354, 356, 927. See also
Pheochromocytoma
Parathyroids, 165-6, 355, 548, 911
PARHAM, A. R., jt., 635, 733
PAREER, E. F., 158, 905
PAREER, I. M., Jt., 634, 733
PAREER, L., jt., 634, 739
PAREER, R. T., jt., 634, 359, 727
PARES, R. E., JR., jt., 641, 941
PARLOW, A. L., 920
Parotid gland, 160, 544, 716, 904, 905, 94
PARPART, A. K., Ed., 708 gynecomastia, 714
leukemia, 173
liposarcoma, 737
serosal abdominal cysts, 346
theories, 343, 377, 564, 896, 938
uterine fibromyoma, 729
Wilms's tumor, 746
PATTON, C. L., 169
PATTON, R. J., ji. am., 169
PAUL, J. T., ji. am., 155
PAULAT, G., 929
PAYLOVSKY, A. J., 901
PAYNE, F. L., 360
PAYNE, F. L., 360
PAYNE, T. P. B., 738, ji. am., 933
PAYSON, B., 543
PAZDERKA, 898
PEACOCK, P. R., 375
PEARCE, N. O., ji. am., 559
PEARSON, J. S., 736
PEASE, D. C., 753

rial

no-

17,

ar-

733

557.

368 ease

557.

552.

361

PECK, W., ji. au., 721
PECKER, J., ji. au., 910
PEDEN, J. C., Jr., 368
PEDERSIN, A. L., 724
PEGHTAL, T. C., ji. au., 360, 730
PEINCE, C. B., 926
PELLER, S., 176
PELLIZA, N. A., ji. au., 916
PENDERGASS, B. P., 182, 348, ji. au., 552
PENDL. O., 169 PENDLROKASS, B. F., 162, 346, 31. dis., PENDL, O., 169
PENNIELD, W., 740
Penicillin, and cancer, 897
for secondary infections of cervix cancer, 358
Penis, 172, 361, 711, 733-4, 921-2
PENNER, D. W., 31. dis., 342, 344
PENNOSE, L. S., 378
Pentamidine therapy, 370, 539
PENTIMALL, F., 154
Pentothal sodium anesthesia, 712
PEPPLE, A. W., 37. dis., 353
Peptidases, activators of, in rat hepatoma, 566
PERALTA, R., 902
PEREZ-PINA, F., 31. dis., 715
Perforation Peralta, R., 902
Peralta, R., 91. au., 715
Perforation aorta, due to esophageal cancer, 349
colon, due to cancer, 721
rectosigmoid, due to polyps, 722
Percola, F., ji. au., 718
Pericardium, see Heart
Perithelioma, 901
Peritoneoscopy, 350
Peritoneoscopy, 350
Perrell, L. L., ji. au., 713
Peroli, 152
Perrell, L., ji. au., 713
Peroli, R., 713
Perrell, D., ji. au., 900
Perrell, D., ji. au., 900
Perrell, D., ji. au., 912
Perell, S. L., 900
Petersen, D., ji. au., 912
Petersen, A. B., ji. au., 931
Petersen, L. W., 904
Petersovic, S., ji. au., 917
Peterson, L. W., 904
Petersovic, S., ji. au., 917
Peterous bone, 711, 740
Pettin, M. D., 361
Pet PHEMISTER, D. B., 371
Pheochromocytoma, 165, 356, 548, 724, 725, 911
(mouse), 751
Philippine Islands, cancer statistics, 347
PHILLIPS, C. W., 554
PHILLIPS, G., 927
PHILLIPS, K., 155
PHILLIPS, S. K., 155
PHILLIPS, W. L., 31. au., 938
PHILLIPS, W. L., 31. au., 938
Phosphatase, acid, histochemical demonstration, 937
alkaline, histochemical demonstration, 936
in cancer tissue, 936 tion, 936
in cancer tissues, 936
blood levels in prostate cancer, 919
Phosphatemia in otorhinolaryngeal
cancer, 930
Phosphomonesterase, activity of neoplastic tissue, 941
Phosphorus, radioactive, see Radiophosphorus
turnover in gastric carcinoma, 566
Phosphotungstic acid-H₂O₂ therapy,
897 Phosphotungstic acid—H₂O₃ ti 897 Photofluoregraphy, 719 Picard, R., 735 Picaza, J. A., 111 Piccione, F., V. 742 Piccione, F., V. 742 Piccione, J., J. au., 905 Piere, J., J. au., 905 Piere, V. K., 159., Ji. au., 550 Piere, F., 154, 368, 896 Pieres, F., 154, 368, 896 Pieres, P., 154, 368, 896 Pieres, P., 154, 368, 896 Piereson, G., Ji. au., 355 Pilcher, R. S., Ji. au., 179

Pilocarpine for leiomyoma of skin, 176
PINCK, L. A., 941
PINCK, L. A., 941
PINCEALOMA, 369, 739, 926
PINCS, B., jt. as., 719
PINCY, A., 174
PIPCH, A., 174
PIPCH, A., 174
PIPCH, A., 174
PIPCH, A., 174
PITTS, H. C., 538
PITTS, H. H., jt. as., 910
PILULTRY gland, 355, 548, 725
(rat), adenoma, 187, 938
PIXLEY, C. C., jt. as., 177
PLAEN, P. DE, 898
Placenta, chorioangioma, 729
Plants in cancer study, 155, 747 Plants in cancer study, 155, 747
Plasma, heat coagulation, in cancer, 155
reduction of methylene blue in cancer,
155 Plasma, heat coagulation, in cancer, 155 reduction of methylene blue in cancer, 157 reduction of the plasmagene blastic surgery, see Surgery, plastic PLATT, W. R., jl. cs., 930 PLAUT, A., 936 Pleura, 180-2, 745 exudates in cancer diagnosis, 709, 896 mesothelioma, with pulmonary tuber-culosis, 181 PLICE, S. G., 716 Plummer-Vinson syndrome, 162 Plutonium, late effects on bone, 928 metabolism studies, 712 Pneumoencephalography, in brain tumor diagnosis, 177, 556 POHL, W., jl. cs., 346 POHLE, E. A., 736 POHLE, E. A., 736 POHLE, E. A., 736 POHLE, E. A., 736 polloculation, 1910 during carcinogenesis, 939 POLLACK, R. S., jl. cs., 348 POLLAK, A., 742 POLLARD, H. M., 719 POLLOCK, L. H., 544 POLONOVSKI, C., jl. cs., 734 POLYCHARD, H. M., 719 POLLOCK, L. H., 544 POLONOVSKI, C., jl. cs., 734 POLYCHARD, H. M., 719 POLLOCK, L. H., 544 POLONOVSKI, C., jl. cs., 734 POLYCHARD, H. M., 719 POLLOCK, L. H., 544 POLONOVSKI, C., jl. cs., 735 Polycythemia vera, 173, 366, 553, 736, 922 blood histamine in, 924 Polyeythemia vera, 173, 366, 553, 736, 922
blood histamine in, 924
oxygen in, 554
cholinesterase activity in, 734
nitrogen-mustard therapy, 734
radiosodium therapy, 173
Polyposis, see Polyps
Polyps, cervix, 358, 727
colon, 163, 352, 374, 547, 548, 721, 908
duodenum, simulating hyperplasia of
Brunner's glands, 352
nasal septum, 558
rectum, 354, 547, 548, 722, 908
stomach, 350, 546
trachea, 180
Polysaccharides, Serratia marcescens,
studies in, 156, 184, 560, 749, 935 stomach, 330, 546
trachea, 180
Polysaccharides, Serraisa marcescens,
studies in, 156, 184, 560, 749, 935
POMEROY, L. A., 359
PONS, L. M., 897
PONSETI, I., 929
PONTIUS, P., 804
PONTIUS, G. V., jl. am., 908
PONZIO, M., 898
POOL, J. L., jl. am., 162
POPP, W. C., jl. am., 924
POPPE, J. K., 373
Porphyrins in cancer detection and therapy, 187
PORTA, C., 176, 915
PORTER, K. R., 183
PORTER, M. M., jl. am., 742
POSCH, J. L., jl. am., 906
POSNER, C., 910
POSNER, M., 740
POSNER, M., 740
POSTLETHWAIT, R. W., 180, 547, Posner, M., 740
Posnlethwait, R. W., 180, 547,
Potampa, P. B., 732
Potor, A., ji. as., 162
Potter, V. R., 753, ji. as., 377
Pouch, G., ji. as., 929
Powell, C. B., ji. as., 740
Powell, R. A., 168
Precancerous lesions, 160, 911
Precocious sexual development, 746, 926 926
Pregnancy, and angioma, 903
breast cancer, 542, 715
cervix cancer, 914, 915
chorioangioma, 729
chorioepithelioma, 728
fibroma, 360, 371
fibromyoma, 361, 729
Hodgkin's disease, 735 926

leukemia, 174
Pregnancy, ovarian tumors, 361, 916
sarcoma, 367
cholinesterase activity in, 752
PRENTISS, R. J., ji. au., 552
PRESSMAN, D., 747
PRESTON, F. W., ji. au., 348, 710
Priapism due to metastatic hypernephroma, 361
PRICE, C. H. G., 157
PRICE, C. W. R., 553
PRICE, I. I. 172
PRICE, J. M., 753
PRICE, J. B., 343
PRICE, V. H., 925
PRICE, V. H., 925
PRICE, V. H., 925
PRICE, V. M., 352, 362, 733
PRINCE, J. E., ji. au., 352, 362, 733
PRINCE, J. E., ji. au., 360
PROCAILO, A. B., 728
PROCTOR, D. F., 725
Proctoscopy, 722
Propertit, J. N., ji. au., 542
Progesterone, effect on granulosa-cell tumor, 561. See also Hormones, steroid leukemia, 174 tumor, 501. See also Hormone steroid
Prognosis, see also Statistics bladder tumors, 552 cancer, breast, 347 colon, 163, 353, 722, 723 esophagus, 719 genitourinary tract, 361 lung, 181, 744, 745 prostate, 733 rectum, 722, 723 salivary gland, 904 stomach, 163, 350, 351, 546, 719 uterus, 728 epidermoid carcinoma, 181 melanoma, malignant, 176 of eye, 178 colored acceli carcinoma, 181 propamidine therapy, 539 oat-cell carcinoma, 181
Propamidine therapy, 539
PROPP, S., 742
Prostate, 170, 172, 363-5, 539, 553, 732-3, 919-20. See also Genitourinary tract
diseases in old men, 733
effect of stilbene estrogens on, 183
Proteins, dietary, and hepatic riboflavin
in azo-dye tumor in rat, 752
and tumor genesis and growth, 752. and tumor genesis and growth, 752, in tissues, and azo-dye carcinogenesis, 752, 940; in tumor tissues, 940, 941
Prothrombin activity, in rats with breast tumors, 185
PROUN, C., 929
PROVENZANO, S. D., jt. au., 902
PRSKAVEC, F., 355
PRUDENTE, A., 348
Pseudocholesteatoma, 558
Pseudohermaphroditism, and dysgerminoma, 933 rseudonermaphrodusim, and dys-germinoma, 933 17-ketosteroids excretion in, 374 Pseudomyxoma peritonei, 731 Pteridines, effect on neoplastic cell cul-ture, 753 Pteroylglutamic acid, see Polic acid ture, 753
Pteroylglutamic acid, see Folic acid
Puberty, precocious, and pinealoma, 369
Puerto Rico, cancer control, 895
PUENTE DUANY, N., 913, 922, 925
PUGH, T. F., jt. au., 180
PUIGBERT, A., 171
PULLAR, T. H., jt. au., 742
PULLEN, D., 553
PULLMAN, A., 936
PUND, E. R., 168
PURANDARE, N. M., 361
Purine metabolism in Tetrahymena and relation to malignant cells in mice, 941
PUTAM, T. J., 934
PUTAM, T. J., 934
PUTAM, F. J., jt. au., 372
PUTEKI, P. S., 908
Pyridoxine, See also Desoxypyridoxine
Pyridoxine for radiation sickness, 540
Pyridoxine-deficient diet, for leukemia and lymphosarcoma, 737
d-Pyrrolidone, excretion by rat and dog d-Pyrrolidone, excretion by rat and dog fed tumor proteins, 376

Pyruvic acid accumulation during roent-genotherapy and arterial hypo-tension, 898 QUAN, S., 906 Quastler, H., jt. au., 156 Queen, F. B., jt. au., 907 Quéméner, E., 894

Queyrat's erythroplasia, see Erythroplasia Quimby, E. H., 540, jt. au., 548, 899 Quinlan, P. M., jt. au., 900 Quisenberry, W. B., 344 RABIN, C. H., 719
RABINOVITCH, J., 555, 719
RACHMILEWITZ. M., jl. au., 725
RADEMAKER, M., jl. au., 910
Radiation dermatitis, liver therapy, 554

actiation dermatitis, liver the myelitis, 156 necrosis, 539 neuropathy, 540 proctitis, 722 sickness, 344, 540, 710, 898 ulceration, 551 adjustions, and cancer, 155 Radiations, and cancer, 155, 169, 538, 730

730
and cell division, 374
cosmic, and cancer incidence, 155
injuries due to, 156, 168, 169, 181,
345, 539, 540, 551, 710, 730,
898, 925, 930, See also Radiations and cancer; Sunlight
ionizing hematologic effects, 747
isotopic, interaction with matter, 712
Radioactive Indicators (book review),
Radia 111, increases Incidence and incidenc

Radioactive isotopes, see Isotopes, radioactive Radioarsenic therapy, 735
Radioautography, 157, 167, 712, 899
Radiocalcium, in bone, radioautographic measurement, 712
Radiocobalt, 712
Radiodyes, distribution studies in

Radiodyes, distribution studies in mouse, 899
for localizing brain tumors, 346
Radioiodine, in thyroid disease diagnosis, 167, 548, 726
therapy, 157, 346, 548, 549, 726, 912
Radioiodopolysaccharide in cancer studies, 188
Radiophosphorus, effect on rat tissue, 747
in brain tumor diagnosis, 224

in brain tumor diagnosis, 926 therapy, 173, 346, 367 Radiosensitivity, of thyroid cancer, 913 studies, 560, 898

vs. radiocurability, 344
Radiosodium therapy, 173
Radiosulfur with methionine, studies,

899 Radiotherapy, 156-7, 169, 344-6, 540,
710-1. See also Cineradiotherapy; Isotopes, radioactive;
Radium therapy; Roentgeno-

cancer, anus, 548 breast, 347, 348, 715, 902 cervix, 360, 727, 728 eye, 178 therapy

cervix, 360, 727, 728
eye, 178
hypopharynx, 372
larynx, 372, 930
lung, 932
oral cavity, 348
ovary, 552
prostate, 919
stomach, 546
testis, 365, 921
uterus, 165, 345, 365, 710
epithelioma, 176, 551
fibroma, uterus, 360
injuries due to, see Radiations, injuries due t

printary tumbers, 393
retinoblastoma, 740, 927
rhabdomyosarcoma, 925
sarcoma, kidney, 933
Wilms's tumor, 374
Radiotherapy and Cancer (book review), 540
Radiotherapy and Cancer (book review), 540
Radiotherapy, 150, 169, 345, 539, 540, 898.
See also Radiotherapy
cancer, anus, 548
Bartholin's gland, 913
bladder, 552
breast, 347, 901, 903
bronchi, 931
cervix, 357, 550, 551, 914, 915
endometrium, 169, 360
esophagus, 905
larynx, 930

penis, 921
urethra, 918
utertus, 169, 359
hemangioma, 160, 345
injuries due to, see Radiations, injuries due to interstitial, dosages, 540
intrabronchial, 931
long element needles, 551
mixed tumors of palate, 544
RADNOT, M., 374
Radon therapy, 345
cervix cancer, 359
retinoblastoma, 557
RAGHAVACHARI, C., 558
RAMA RAU, P., 159, 31, 681, 739
RAMAMURTHI, B., 548
RAMIOUL, H., 61, 61, 61, 61
RAMSUELL, E. G., 159
RANDALL, C., 11, 61, 61, 61
RANSOM, H. K., 540
RANKIN, F. W., 163, 353, 354
RANSOM, H. K., 540
RAPHAEL, S. I., 11, 61, 61, 61
RASHUSSEN, L. H., 11, 61, 61
RATHERY, M., 11, 61, 61
RATHERY, M., 11, 61
RAYLLL, A., 757
RAVEN, R. W., 161, 346, 547, 548, 711
RAVINA, A., 736
RAYLO, M. M., 160
RAVICH, M. M., 160
RAVICH, M. M., 160
RAVICH, M. M., 160
RAVICH, M. M., 161
RAYLON, S. S55
RAYSON, R. W., 355, 726
RASHOS, RAYSON, A. J., 732
RAWSON, R. W., 356, 726
RASHOUL, I., 914, 941
REBOUL, I., 914, 941
REBOUL, I., 914, 941
REBOUL, I., 914, 941
Recklinghausen's disease, 175, 177, 368, 369, 739
and pheochromocytoma, 356
and retinal tumor, 556
sarcomatous degeneration in, 739
Rectum, 163-4, 352, 353-4, 547-8, 722-3, 20
cancer, prognostic value of peritoneal reflection, 722
recurrence after sphincter-con-

FEFFE

cancer, prognostic value of peri-toneal reflection, 722 recurrence after sphincter-con-serving surgery, 909 hemorrhage after irradiation of cervix cancer, 168

hemorrhage after irradiation of cervix cancer, 168 invasion by ovarian cancer, 731 REDI, R., 154 REDI, R., 154 REDI, R., 154 REDI, R., 154 REDI, R., 160 REDIANN, R., 160 RESANO, 1. H., 905 RESA

934-7 bibliography, 708 Respiratory tract, 160, 179-82, 371-3, 558-9, 742-6, 930-3 Reticulin, behavior in lung cancer, 932 Reticulo-endothelial system, and leu-

Reticulo-endothelial system, and leu-kemia, 174 diseases, and urethane therapy, 922 Reticulo-endothelioma, 735 Reticulosis, skin, 926 Retimolastoma, 557, 740, 927. See also Glioma, retinal Révész, G., 742 Rey Chilla, E., 895 ReyNolds, J. T., 353 ReyNolds, L., 159

REYNOLDS, L. R., 919 Rhabdomyoma, 715, 716 Rhabdomyosarcoma, 172, 367, 732, 924 RHEINGOLD, J. J., 539 RHOADS, C. P., 367, 897, 911, ji. au., 184, 560 184, 560
Rhode Island, cancer control, 538
Riberio, E. B., 715
Riboflavin, effect of deficiency on lymphosarcoma implants, 939
effect on tumor tissue cultivated in yolk sac, 560
excretion, during radiotherapy, and radiation sickness, 898
in liver, and azo dyes in experimental animals, 562, 752
Ribe, see Osseous system
Ricard, A. 9299
Rice, E. C., ji. au., 374, 559
Rice, E. C., ji. au., 374
Richardson, K. L., 907, 931
Richardson, S., 178
Richardson, S., 178
Richardson, S., 178
Richardson, J. J., au., 910
Richardson, J. J., au., 910
Richardson, J. J., au., 747
Rise, J. J., au., 156
Riesco, A., Ji. au., 156
Riesco, A., Ji. au., 157
Riesen, D. E., Ji. au., 157
Riesen, D. E., Ji. au., 361
Riley, J. B., ji. au., 361
Riley, J. B., ji. au., 184
Riley, J. P., 186
Rordon, D. J. 708
Riser, W. H., 942
Riser, W. H., 942
Riser, W. H., Jr., ji. au., 136
Roberts, S. M., ji. au., 374
Robecch, M., 918
Roberts, S. M., ji. au., 374
Robecch, M., 918
Roberts, S. M., ji. au., 374
Robecch, M., 918
Roberts, S. M., ji. au., 546
Robinson, A. M., 733
Robinson, C. S., ji. au., 156
Robinson, A. M., 733
Robinson, C. M., 333
Robinson, C. M., 334
Robinson, W. D., ji. au., 156
Robinson, M. H., ji. au., 179
Robinson, W. D., ji. au., 911
Robinson, W. D., ji. au., 911
Robinson, W. D., ji. au., 911
Robinson, W. D., ji. au., 910
Robinson, W. D., ji. au., 911
Robinson, W. D., ji. au., 912
Robinson, R. H., ji. au., 913
Robinson, R. H., ji. au., 914
Robinson, R. J., au., 914
Robinson, R. J.,

3.

ix

-8,

-3.

32 u-

22

lso

uterus, 728, 915
Roentgenotherapy, aided by roentgenograms, 898
cancer, 540, 897, 898. See also Contact roentgenotherapy; Radiotherapy breast, 347, 348, 902 cervix, 357, 358, 359, 551, 914 eyelid, 925 hypopharynx, 930 larynx, 930 lip, 349 larynx, 930
lip, 349
lung, 181
pelvis, 168
skin, 368, 738
testis, 172
thyroid, 913
uterus, 359
vagina, 727
deep, 181, 540, 710, 732
dosages, studies in 156
dose distribution, 540
enhanced by synthetic vitamin K,
710
epithelioma, 179, 349, 368, 924
fibrosarcoma, 898
giant-cell tumor of bone, 370, 741,
929
glioblastoma multiforme, 556
hemangioma, 160 glioblastoma multiforme, 550
hemangioma, 160
high-voltage, 160
injuries due to, see Radiations, injuries due to
kidney tumors, 732
lacrimal-gland tumors, 557
leukemia cutis, 736
lymphangioma, 898
lymphoblastoma, 924
lymphoma, 737
medulloblastoma, 926
multiple myeloma, 558
myasthenia gravis with thymoma, 726
parotid-gland tumors, 905
retinoblastoma, 927
rotation, 349
small-field, 711
supervoltage, 157, 344, 345, 540, 710
techniques, 157, 710, 711
transvaginal, 357
time factor in, 344
Roentgen rays, depth dose studies, 156
effect on transplantable mouse carcinoma, 338
transplantable rat chloroma, 938
lethal dose in total body irradiation of swine, 748
ROGERS, F., F., J. am., 554
ROGERS, L., 556
ROGERS, S., 737, Jr. am., 720
ROGERS, S. S., 737, Jr. am., 720
ROGERS, S. S., 737, Jr. am., 720
ROGERS, M. M., 934
Røjel, J., 186
ROMANO, M., 931
ROMIEU, C., Jr. am., 928
RONCHESE, F., 714
RONCRONI, 714
RONCORONI, 714
RONDEPIERRE, J., Jr. am., 926
RONDONI, P., 154, 896
ROPP, R. S. DE, 189, 747
ROSE, B. T., 164, 723
ROSENBLOOM, L., Jr. am., 367
ROSENBLOOM, L., Jr. am., 554
ROSENBLUM, H., Jr. am., 554
ROSENBLUM, H., Jr. am., 554
ROSENBLUM, H., Jr. am., 564
ROSENSTEIN, J., Jr. am., 567
ROSENSTEIN, Jr. Jr. am., 564
ROSENSTEIN, Jr. Jr. am ROUGEAU, J., ji. am., 902
ROUGEAU, J., ji. am., 902
ROUGHT, J., ji. am., 717
ROUHIER, G., 902
ROUHUNKOSKI, M., 730
ROULLAND, M. H., 360
ROUS, P., ji. am., 376
ROUSSEL, M. F., 370
ROUK, G., ji. am., 901
ROUSSEL, M. F., 370
ROUK, G., ji. am., 901
ROUK-BERGER, J. L., 548
ROWE, W. F., 164
ROWEN, M., ji. am., 734, 736
ROYER, A., ji. am., 736
RUEIN, S. W., 919
RUDALI, G., ji. am., 936
RUELR, S. W., 919
RUDALI, G., ji. am., 936
RULLER, 902
RULAND, L., 937
RUNDLES, R. W., ji. am., 741
RUPP, C., 369, ji. am., 555
RUNGER, H. P., 376, ji. am., 188
RUSSELL, W. A., 163
RUSSEL, W. A., 163
RUSSEL, W. A., 163
RUSSEL, H. J., 11, 14 am., 900
RYPINS, E. L., 352
SABESON, D. K., 713 RUST, J. H., 754
RUTSPIBERG, A. M., ji. au., 900
RYPINS, E. L., 352
SABSSON, D. K., 713
SACHS, E. M., 351
SACHS, E. M., 351
SACHS, E. M., 351
SACHS, P. M., ji. au., 734, ji. au., 7739
SACHS, W., 734, 739, ji. au., 176
SACK, T., 156
SACKS, G., 909
SACTUM, 370, 371, 930
SADUGOR, M. G., 359, 914, ji. au., 731, 930
SADUGOR, M. G., 359, 914, ji. au., 731, 930
SABPLI, S. A., ji. au., 910
SAGER, W., ji. au., 359
SAGER, W. W., ji. au., 359
SAHYOUN, P., ji. au., 359
SAHYOUN, P., ji. au., 359
SAHYOUN, P. ji. au., 363
SALEM, E. P., ji. au., 741
SALAMAN, M. H., 563
SALEM, E. P., ji. au., 741
SALEALDER, K., 921
SALVAING, J., ji. au., 900
SAMMARTIN, A. 730
SAMPATH, A., ji. au., 185
SANDBLOM, P., 746
SANDBLOM, P., 746
SANDBLOM, P., 746
SANDR, S., ji. au., 178
SANDROM, P., 746
SANDROM, P., 746
SANDR, S., ji. au., 178
SANDROM, P., 746
SANDROM, P. immunization studies, 938 Kaposi's, 925 Kaposi's, 925 neurogenous, 739 with ostetits deformans, 557 osteogenic, 179, 371, 557, 929, 930 perithelial, 926 polymorphous-cell, 346 with von Recklinghausen's disease, 739 739
reticulum-cell, 371, 558, 738, 904, 929
round-cell, 370
spindle-cell, 546, 904, 933
synovial, 554, 925
(animal), distribution of fluorescein, (animal), distribution of fit 183 effect of aminopterin, 939 (avian), 185, 377, 566

(dog), 942
(mouse), effect of aminopterin on, 750
parasitization by vaccine virus,
187, 750
propagation by dried tissue, 938
thymic atrophy and lymphoid hyperplasia in, 747
(rat), after benzpyrene during stilbene treatment, 751
cellophane-induced, 751
effect of carcinoma extract on, 565
Sarcoma botryoides, 746
SARGENT, J. C., 552
SAUER, H. R., 168, jl. au., 731
SAUTIER, J. H., 189
SAVARD, K., 376, 747
SAWITSKY, A., 183, 734, jl. au., 736
SAKEN, E., 177
SAYPOL, G. M., 910
SAYRE, G. P., 913
SCAIP, 926
SCARBOROUGH, J. E., jl. au., 359
SCARBOROUGH, J. E., jl. au., 359 SAYPOL, G. M., 910
SAYRE, G. P., 913
Scalp, 926
SCARBOROUGH, J. E., jl. au., 359
SCARBOROUGH, R. A., 353
SCARFE, R. W., 347, 538
SCHADE, R., jl. au., 753
SCHALL, L. A., 179, 372
SCHANHER, P. W., JR., 713
SCHARENBERG, K., jl. au., 361
SCHARENBERG, K., jl. au., 361
SCHARTUM-HANSEN, H., 736
SCHEPFL, L. C., 360, 552, 730
SCHENCK, S. G., 374
SCHERMAN, V. B., 719
SCHERP, H. W., 565
SCHEPFRIT, E., jl. au., 913
SCHIFF, L., 351, jl. au., 910
SCHILLING, J. A., 751, 896
SCHINDLER, R., 349
SCHILLER, J. A., 187
SCHLEMBERGER, M. S., 177
SCHLEMBERGER, M. S., 177
SCHLEMBERGER, M. S., 177
SCHLEMBERGER, M. S., 177
SCHLUMBERGER, M. S., 177
SCHLUMBERGER, H. G., 376, 754, 942
SCHMIDLAPP, C. J., Jl., 170, jl. au., 732
SCHMIDT, E. C. H., 360
SCHMIDT, H. C., jl. au., 180, 939
SCHMIDT, H. C., jl. au., 932
SCHMIDT, H. R., 342
SCHMIDT, H. C., jl. au., 393
SCHMIDT, H. C., jl. au., 393
SCHMIDT, H. C., jl. au., 393
SCHMIDT, H. R., 342
SCHMIDT, H. R., 361
SCHMIDT, R., 342
SCHMIDT, R., 342 SCHMIDT, R., 342
Schmincke's tumor, see Lymphoepitheinchange of the control of 714
SCOTT, B. S., ji. au., 934
SCOTT, G. M., 563
SCOTT, H. W., JR., 933, ji. au., 355
SCOTT, R. B., 374,
SCOTT, R. K., 157
SCOTT, W. W., 364, ji. au., 172, 733, 920 Scott, W. W., 304, Jl. au., 172, 733, 920 Scrotum, 172 SCULLY, I. H., Jl. au., 908 SCULLY, R. E., 733 SEALY, R. O., JR., 189 Sebaceous glands, 738, 925, 926 Sebum, human, as vehicle for methylcholanthrene, 936 SEELIG, C. A., 930 SEGAL, A. D., jt. au., 921

SEGERBERG, L. H., jt. au., 926
SEGERS, A. M., 895, 896, 905, 925
SEIDELS, R. B., 168, 360
SEIDER, F. B., jt. au., 565
SEIDEL, R. F., jt. au., 746
SEIFER, J. jt. au., 565
SEIDEL, R. F., jt. au., 746
SEIFER, J. jt. au., 746
SELICHAN, A. M., 188, 900, jt. au., 156, 930, 937
SELLEN, G., 186
SELICHAN, J., jt. au., 189
SELLERS, A. P., jt. au., 189
SELLERS, A. P., jt. au., 189
SELLORS, T. H., 373
SELMAN, J., 546
SELTERE, B., jt. au., 184
SELVERSTONE, B., 926
SEMINAL SEIGLE, 177
SHALLOW, T. A., 355
SHAQUE, J., 717
SHALLOW, T. A., 355
SHANDO, T. A., 355
SHANDO, C. E. G., jt. au., 557
SHAPIRO, D. M., 183, 563
SHAPIRO, S., jt. au., 735
SHAPIRO, S., jt. au., 720
SHARLIN, H. S., jt. au., 735
SHAPIRO, N., jt. au., 731
SHATZ, B. A., 740, jt. au., 188
SHERHAN, J., jt. au., 188
SHERHAN, R., jt. au., 188
SHERHAN, R., jt. au., 188
SHERHAN, R., jt. au., 188
SHERHAN, M., jt. au., 191
SHERRY, L. B., 160
SHIBLDS, C. L., 538
SHIMKIN, M., B., 181, 924, jt. au., 566
SHIPLEY, E. R., jt. au., 750
SHERMAN, R., jt. au., 750
SHERMAN, R., jt. au., 151
SHOPP, R. E., jt. au., 559
SHOEMASKER, R., 181
SHOPP, R. E., jt. au., 559
SHOEMASKER, R., 181
SHOPP, R. E., jt. au., 910
SEROMARB, J., jt. au., 915
SEROMARB, J., jt. au., 910
SEROMARB, J., jt. au., 915
SEROMARB, J., jt. au., 910
SEROMARB, J., jt. au., 915
SEROMARB, J., jt. au., 910
SEROMARB, J., jt. au., 915
SEROMARB, J., jt SENTURIA. H. R., 354
SERMONARD, J., ji. au., 910
Serodiagnosis, 155, 539, 709, 896, 941
Serodiagnosis, 155, 539, 709, 896, 941
Serodiagnosis, 150, 539, 709, 896, 941
Serodiagnosis, 150, 539, 709, 896, 941
Serodiagnosis, 150, 749, 935
SERONON, L. M., 540
SHONOVER, F. I., 550
SHONOVO, L. M., 540
SHRYOCK, L. F., 534
SHUULER, L. F., 534
SHULLENBERGER, C. C., 710
SHULLER, T., 746
SHULMAN, P., ji. au., 920
SHUSHAN, R. M., 155
SIBLEY, J. A., 753
SIBLEY, J. A., 753
SIBLEY, J. A., 753
SIECARD, A., 902
SICHEL, D., 879, 903, ji. au., 907
SICHER, H. G., 160
SIDDALL, R. S., 727
SIECAL, H. A., ji. au., 924
SIECLER, A. M., 894
SIEFERI, R. S., 742
SIGMOID, SEE COION; RECTUM
SIGNS and Symptoms, see Diagnosis
SILBERHERG, M., 563, 939, ji. au., 751
SILBERBERG, R., 751, ji. au., 563, 939
SILVA, ji. au., 555
SILVER, H. K., 746
SILVERMAN, F. N., 182
SILVERSTEIN, J., ji. au., 548
SILVERSTONE, L., 566, ji. au., 937
SILVERSTONE, H., 567, ji. au., 548
SIMMONS, M. W., 930
SIMMON, M., A., 373
SIMPSON, F. E., 359
SIMPSON, F. E., 359
SIMPSON, J. F., 179
SIMS, C. F., 716, 739
SINCLAIR, W. J., 907
SIRTON, E., ji. au., 728
SINGLETON, A., 0, JR., 737
SINTON, E., ji. au., 728
SINGLETON, A., 0, JR., 737
SINTON, E., ji. au., 728
SINGLETON, A., 0, JR., 737
SINTON, E., ji. au., 728
SINGLETON, A., 179, 558, 725, 734, 742, 930
SIRTS, I. E., 907
SIRTORI, C., 558
SKAGGS, L. S., ji. au., 156, 711
SKANSE, B. N., 157, ji. au., 356, 726 SKAGGS, L. S., jt. au., 156, 711 SKANSE, B. N., 157, jt. au., 356, 726 Skeleton, see Osseous system Skin, 158, 175-7, 368, 374, 554-5, 710, 736, 738-9, 903, 925-6 cancer and sunlight, 368, 538, 896 in chronic sinuses, 555

graft, carcinoma in donor area, 554 in breast surgery, 542 hyperplasia, after carcinogenic irritants, 184 manifestations of lymphoblastoma, 924 (mouse), changes after methylcholanthrene, 375 chemical change in carcinogensis, 375 SKINNER, E. F., 180, 554 SKINNER, H. L., 547 SKINNER, I. C., 915 SKINDER, I. C., 915 SKINDER, I. C., 915 SKINDER, I. C., 915 SKINDER, I. C., 916 SKINDER, I. S., 916 SKIL, A. M., 724 SKINDER, I. S., 916 SKIL, A. M., 724 SKINDER, I. S., 916 SKIL, A. M., 724 SKINDER, R. S., 916 SKIL, A. M., 724 SKINDER, R. S., 916 SKIL, A. M., 724 SKINDER, R. S., 916 SKIL, A. M., 724 SKIL, A. M., 725 SKIL, Diutonium and radioyttrium, 712 fluorescein, see Fluorescein thiosulfate, effect on mouse sarcoma, 185.

Sodium, radioactive, see Radiosodium Soffer, L. J., 166
SOLEY, M. H., jt. au., 157
SOLIS-COHEN, L., jt. au., 26
SOLOMON, E. P., 359
SOLOMON, E. P., 359
SOLOMON, E. P., 359
SOLOMON, E. P., 389
SORIN, jt. au., 926
SOLOMON, E. P., 389
SORIN, J., au., 930
SORIN, jt. au., 898
SORIN, J., au., 898
SORIN, J., au., 898
SORIN, S., 349, 716
SONEBEGER, C. F., jt. au., 737
SORSIN, S., 349, 716
SOUDERS, B. F., 741
SOUDERS, C. R., 180
SOUTTER, L., jt. au., 917
SPAIN, D. jt. au., 518
SPAMPINATO, V., 751
SPAIN, D. M., 376
SPEAR, F. G., jt. au., 511
SPAIN, D. M., 376
SPEAR, F. G., jt. au., 511
SPAIN, D. M., 376
SPEAR, F. G., jt. au., 551
SPEAR, R. C., 356
SPEER, M. D., 551
SPEELBERG, M. A., 737
SPENNER, M. D., 551
SPEELBERG, M. A., 737
SPENNER, F. C., 359 SPELLBERG, M. A., 737 SPENCER, F. C., 359 SPENCER, R. R., 184 Spermatic cord, 921 SPERTI, G. S., jl. au., 738

SSS

90000000

St

Sphincter function, preservation in rectal surgery, 163, 353, 354, 547, 722, 909, 910

SPIEGL, R. J., jt. as., 911

SPIES, J. W., 155

SPIESMAN, I. G., jt. as., 178

Spinal cord, 177, 369-70, 556, 739, 902, 927

radiation myelitis of, 156 radiation myelitis of, 156
symptoms, in Hodgkin's disease, 174
with medulloblastoma, 740
tuberculosis simulating cancer, 741
tumor, simulated by herniated disk,
177 177
pancreas cancer, 355
Spindle-cell carcinoma, see Carcinoma
SPITZ, S., 156
Spleen, 158, 713, 716, 718, 737
in multiple myeloma, 741
(rat), lymphosarcoma, 750
Splenomegaly, with adrenocortical
tumor, 911
Sponge bioney. 806 Grat), lymphosarcoma, 170
Splenomegaly, with adrenocortical tumor, 911
Sponge biopsy, 896
Spongioblastoma, 178, 369
Sprague, R. G., Ji. ass., 911
Spriggs, 1.534
Sprott, N. A., 539
Sprure, C. L., Ji. ass., 184, 366
Sputum examination, see Cytology, exforting the state of the sta Ratistics, anorectal disease, 548
cancer, 897
at autopsy, 894
biliary tract, 894
breast, 159, 347, 348, 542, 715, 902
bronchi, 373, 558
cervix, 337, 358, 359, 550, 727, 728,
914
children, 559
colon, 163, 547, 909
esophagus, 161, 162
larynx, 372, 930
lip, 349, 544
liver, 723, 894, 910
lung, 559, 894, 931, 932
nasopharynx, 930
penis, 172
prostate, 364, 733
rectum, 163, 547, 908, 909
stomach, 162, 545, 906
thyroid, 167, 356, 548
tongue, 904
uterus, 360, 551, 729
vulva, 727, 913
central nervous system tumors, 555
epithelioma cervix, 551
oral cavity, 349
skin, 925
Ewing's sarcoma, 370
glioblastoma multiforme, 555 skin, 925
Bwing's sarcoma, 370
glioblastoma multiforme, 555
goiter, nodular, 167
Hodgkin's disease, 553
hyperparathyroidism, 166
jaw tumors, 557
melanoma, 175, 738, 925
melanoepithelioma, 548
parotid gland tumors, 904, 905
polypoid lesions of colon, 353
retinoblastoma, 740
sarcoma, 894
thyroid tumors, 726
use in cancer control, 895 use in cancer control, 895
Statistics (geographic), Algeria, 894
Canada, 342
Denmark, 154, 342, 708
Egypt, 342
England, 154
Finland, 894 French Oceania, 894

Hawaii, 350, 555
Kenya, 154
Levant, 894
Philippine Islands, 347
Switzerland, 154
U. S., Connecticut, 154, 342
New Jersey, 708
STATON, H. J., Ji. au., 374
STAUB, H., 186
STEARN, K., Ji. au., 374
STECK, H., 345
STEELE, C. H., Ji. au., 348
STEICK, C. H., Ji. au., 348
STEICK, H., Ji. au., 348
STEICK, H., Ji. au., 720
STEIN, H. D., Ji. au., 720
STEIN, I. F., 169
STEIN, I. F., 169
STEIN, I. F., 169
STEIN, I. J., 182
STEIN, L., 736
STEIN, L., 736
STEIN, L., 736
STEIN, H. L., Ji. au., 715
STEINER, G., 546
STEINER, G., 546
STEINER, G., 546
STEINER, G., 546
STEINER, F. E., 351, Ji. au., 728
STEINER, G., 546
STEINER, G., 546
STEINER, G., 546
STEINER, R., B., Ji. au., 728
STEILER, L. I., 159
STELZERMULLER, A., Ji. au., 183, 747
STELZERE, P., 894
Stenosis, bronchi, due to mediastinal lymphosarcoma, 900
duodenum, due to pancreatic cancer, esophagus, after radium therapy, 905
STENSTENN, K., W., Ji. au., 905 910
esophagus, after radium therapy, 905
STENSTROM, K. W., ji. as., 905
STEPHENS, H. B., ji. as., 905
STEPHENSON, M. L., ji. as., 188, 566
Sternal marrow, see Bone marrow
STERNBERG, W. H., 916
Sternum, 370, 715, 742
Steroids, see Hormones, steroid; Specific compounds. Sternum, 370, 715, 742
Steroids, see Hormones, steroid; Specific Compounds
STEVENS, C. D., 900
STEVENS, J. T., 360
STEVENS, J. T., 360
STEVENS, J. T., 360
STEVENS, J. T., 360
STEVENS, J. T., 361
STEWART, C. B., 344
STEWART, D. B., 31. au., 544
STEWART, P. W., 31. au., 562
STEWART, H. L., 31. au., 562
STEWART, H. J., 31. au., 563
STEWART, H. J., 175
STEWART, P. H., 31. au., 900
STICKNEY, J. M., 736
STIEFELR, R. A., 915
STIEFELR, R. A., 915
STIEFELR, R. A., 915
STIEFELR, R. A., 915
STIEFELR, A., 915
STIEFELR, A., 915
STIEFELR, M. H., 31. au., 900
STICKNEY, J. M., 736
STIEFELR, M. H., 31. au., 900
STIEFELR, M. H., 31. au., 900
STIEFELR, M. H., 31. au., 900
STICKNEY, J. M., 316
STIEFELR, M. H., 31. au., 560, 750, 939
STOREK, H. C., 939
STOLL, G., 31. au., 933
STOREK, H. C., 939
STOLL, G., 31. au., 935
STOMER, H. C., 939
STOLL, G., 31. au., 935
STOMER, H. C., 939
STOLL, G., 31. au., 935
STOMER, H. C., 939
STOLL, G., 31. au., 935
STOMER, H. C., 939
STOLL, G., 31. au., 935
STOMER, H. C., 939
STOLL, G., 31. au., 936
STOMER, H. C., 939
STOLL, G., 31. au., 936
STOMER, H. C., 939
STOLL, G., 31. au., 936
STOMER, H. C., 939
STOLL, G., 31. au., 936
STOMER, M. G., 319
STOMER, M. G., 319
STOMER, M. G., 319
STOLL, G., 31. au., 936
STOMER, J. 200
ST Stomach, 101, 102-3, 343, 330-2, 344, 545, 346, 717-20, 739, 894, 905, 906-7
adenoma and adenocarcinoma, experimental, 747
cancer, and gastric acidity, 162
arising in perforating ulcer, 351
carbohydrate metabolism in, 377
intraesophageal extension, 718
spread into duodenum, 718
disease, and thermal irritation, 545
STONE, R. S., 157
STONE, S. N., 714
STOOPS, C. W., 15, as., 734
STORER, I. B., 751
STOURL, R. P., 714, 742, 904, 905, 909, 912, 912, 913, 922, 924, 925, 926, 929, 930, 933, 15, as., 751
STOWELL, R. E., 566
STRACHSTEIN, A., 364
STRAIT, L. A., 375
STRATTE, J. J., 172
STRATTON, E. K., 367
STRATUS, A. A., 15, as., 563
STRODEL, L. B., 546
STROMER, M. J., 15, as., 545
STRODE, J. B., 15, as., 545
STRODE, J. B., 16, as., 545
STRONG, C. F., 910
STRONG, C. F., 910
STRONG, C. F., 910
STRONG, C. F., 910
STROMG, C. F., 91 STÜCKELBERGER, P., jt. au., 895

STUHL, 898
STURGIS, C. C., 734
STURGIS, M. C., ji. am., 357
STURGIS, M. C., ji. am., 357
STURM, E., ji. am., 186, 750
SUÄREZ, C., 921, ji. am., 901
SUÄREZ, FERNÄNDEZ, M. J., 895
SUBBAROW, Y., ji. am., 185
SUBClavian artery, compression intrathoracic tumor, 900
SUDAN, A. C., 343
SUGAR, O., 740
SUGARBAKER, E. D., ji. am., 712
SUGIURA, K., 186, 939, ji. am., 750
SUHEZ, ji. am., 909
SULLIVAN, B. H., 177
SULLIVAN, M., ji. am., 368
SULLIVAN, M., ji. am., 368
SULLIVAN, M., ji. am., 58
SUMNER, W. C., ji. am., 558
SUNDELAD, R. R., ji. am., 746
SUNDERTAND, D. A., 909
SUNIGHT and akin cancer, 368, 538, 896, 925
SUNIZEEF, V., ji. am., 375, 939
SUNICEEF, V., ji. am., 375, 939
SUNICEEF, V., ji. am., 375, 939
SUNICEEF, V., ji. am., 375, 939 925 SUNTZEFF, V., jt. au., 375, 939 Surgery, abdomen, 900 bladder, 171, 362, 363, 552, 732, 918, 919 919
50ne, 371, 715, 928
brain, 369, 556, 926
breast, 159, 160, 346, 347, 542, 543, 715, 902, 903
bronchi, 180, 372
carotid arteries, 541
colon, 163, 352, 353, 547, 721, 908, 909
duodenum, 352
esophagus, 161, 349, 717, 905, 906 161, 349, 717, 905, 906 esophagus, 16 eye, 557, 740 face, 738, 899 female genital tract, 16 359, 728, 729, 914 in elderly, 357 for cancer, 156, 346, 897 168, 357, 358, pre- and postoperative care, 539, 712 irradiation injuries, 345, 540, 710, 711, 898 irradiation injuries, 345, 540, 710
711, 898
lymphosarcoma, 367
pain in cancer, 711, 899
squamous-cell carcinoma, 711
sternum tumors, 370
gastrointestinal tract, 906
genitourinary tract, 552, 918
head, 899, See also Surgery, brain
hemipelvectomy, 371, 554, 929
jaw, 557, 716, 742
kidney, 171, 732, 917
larynx, 179, 372, 742, 930
lung, 180-1, 373, 931, 933
lymph nodes, iliac, 347
inguinal, 156, 346, 899
and lymphedema, 347
neck, 899, 900
nose, 372
oral cavity, 903, 904 nose, 372
oral cavity, 903, 904
orthopedic, 557
pancreas, 164, 355, 546, 548, 723, 906,
907, 910. See also Pancreaticoduodenectomy
parotid gland, 346, 716, 904, 905
penis, 172, 921, 922
plastic, 346, 898, 899
prostate, 172, 733, 920
rectum, 163, 164, 352, 353, 547, 722,
909
pre- and postoperative care, 722
sacro-iliac disarticulation, 554
sacrum, 370 sacro-mac disarticulation, 554 sacrum, 370 spinal cord, extramedullary tumors, 369 stomach, 162, 350, 545, 546, 717, 719, 720, 906, 907 thorax, 157 thymus, 166 thyroid, 356 trachea, 558 uterus, see Surgery, female g tract:
SURMONT, J., jl. alm., 902
SURVER, J. M., jl. alm., 158
SUSONI, A. H., 910
SUSSMAN, M. L., jl. alm., 166, 745
SUTER, M. ST. A., 748
SUTTON, L. B., JR., jl. alm., 559
SYIEN, H. J., 740, jl. alm., 369, 739
SWAN, L. L. 373
SWAN, E. L. 373
SWANSON, K. F., 917
SWARTS, J. M., 720
SWEANY, H. C., jl. alm., 181
SWEANY, H. C., jl. alm., 181
Sweat glands, 554, 925 see Surgery, female genital uterus,

SWEENY, L., ji. as., 750 SWEET, B., ji. as., 188 SWEET, R. H., 161, 349, 717 SWEET, W. H., ji. as., 926 SWENSON, S. A., Jr., ji. as., 370 SWIGERI, W. B., 164 SWINGER, A. J., 740 SWINTON, N. W., 908 SWIZEFIAND, C., 179 SWORN, B. R., 552 SWEER, A. J., ji. as., 719 SWINGER, M. J., ji. as., 719 SWINGER, M. J., 374, 925 SWINGER, M. J., 374, 925 SWINGER, M. J., 374, 925 SYLVEN, B., 751
Sympathicoblastoma, 173, 374, 927
Sympathicoblastoma, 746
Synovioma, 175, 554, 925
Syphilis and cancer, 186, 358, 359
SYVERTON, J. T., ji. au., 565
SYLVESTER, R. F., J. B., ji. au., 173
SZILAGI, D. E., ji. au., 355

SZILAGI, D. E., ji. au., 355

TABRAH, F. L., ji. au., 374

TADROS, W., 169

TAGGART, W. B., ji. au., 374

TAGLIANO, P., 930

TAGNON, H. J., 159

TAINAN, J. A., 933

TALHEFER, ji. au., 904

TALHEFER, ji. au., 904

TALHEFER, A., 903, 915

TAN, M. G., 347

TANNEN, F. H., ji. au., 374, 737

TANDER, F. H., ji. au., 374, 737

TANDER, F. H., ji. au., 374, 737

TANDER, F. H., ji. au., 374, 737

TATAUTO, G. J., 179

TARDIVEAU, ji. au., 898

TAYLOR, A. G. C., 540

TAYLOR, E. S., ji. au., 728

TAYLOR, L. S., ji. au., 400

TAYLOR, E. S., ji. au., 189

TAYLOR, M. J., 339, ji. au., 189

TAYLOR, S. G., III, 348, 710

TEDESCH, C. G., 169, 541, 714, 751

TEDESCO, B., 720

TEILUM, G., 921

TEITELBAUM, H. A., 178

Teleradium therapy, see Roentgeno-

apy apy
Teleroentgenotherapy, see Roentgenotherapy
Tellinde, R. W., jt. su., 727
Tellind, R., Y.3
Tellind, M., 743
Tempa, T., 709
Tenyi, M., jt. su., 923
Teplick, J. G., jt. su., 177
Teran, R. P., jt. su., 746
Teratoma, 169, 177, 182, 541, 733, 739, 933. See also Tumors, dermoid
Teropterin, as analycesic, 897
therapy, 710
Tessmer, C. F., jt. su., 748
Testis, 171, 172, 361, 365, 374, 553, 733, 746, 920-1. See also Genitourinary tract
mouse), effect of gamma rays on, 562
Testosterone. See also Hormones, steroid
effect on induction of methylcholanthrene tumors, 749
pituitary tumor, 910 Teleroentgenotherapy, see Roentgeno-

pituitary tumor, 910 for breast cancer, 159, 543, 715, 902, 903

for breast cancer, 159, 543, 715, 902, 903
for ovarian cystadenocarcinoma, 916
Tests (including Reactions, Stains, Techniques), 153, 539. See also
Cytology, extolative
antiproteolytic activity, serum, 539
adrenocortical responsiveness, 162
color reactions, 539, 733, 897
diphenylamine reaction of human
serum, 941
heat coagulation, plasma, 155
serum proteins, 709
hemolysin in serum, 539
heterologous ocular transplants, 896
iodoacetate index, 709
methylene blue reduction by plasma, 155
Pasini's stain for vaginal smears, 728
with serous fluids, 155, 896
Shor's stain, 743
silver carbonate stain for vaginal
smear, 361
staining techniques, 538
tetraethylammonium bromide, 356
for urinary 17-ketosteroids, 733
Tetraethylammonium bromide in diagnosis of pheochromocytoma, 356
Tetra-sodium 2-methyl-14-naphthohydroquinone diphosphate, see
Vitamin K, synthetic

THACKRAY, A. C., jt. au., 751
Thecoma, see Tumors, theca-cell
Thermal irritation, in gastric disease,

545
Thiamine saturation, in uterine cancer, 551
THBAUT, D., 739
THERREE, R., jl. as., 906
Thigh, see Extremities
Thioacetamide, and, liver tumors in rats, 749
Thouracil, and acetamino-fluoreneinduced cancer, 562, 563

rats, 749
hiouracil, and acetamino-fluoreneinduced cancer, 562, 563
effect on irradiated mice, 748
morphologic changes in mice due to,
561
nodules the

nodular thyroid hyperplasia induced by, 747 Thiourea, and liver tumors in rats, 749 morphologic changes in mice due to,

morphologic changes in mice due to, 561
Thom, M., 942
Thoma, K. H., 904
Thomas, B. E., 359
Thomas, C., 927
Thomas, G. J., 732
Thomas, F., 933
Thomas, P., 933
Thomas, P., 933
Thomas, P., 948
Thomas, R. A., jt. au., 550, 727
Thompson, G. J., jt. au., 550, 727
Thompson, G. J., jt. au., 363, 552, 732
Thompson, H. L., 905, 906
Thompson, H. P., jt. au., 181
Thompson, J. R., jt. au., 181
Thompson, J. W., 713
Thompson, J. W., 713
Thompson, J. W., 737
Thompson, W. W. D., 558
Thompson, W. W. D., 558 561

Thoracic cavity, 346, 713, 714, 900
Thorotrast, intravenously as carcinogen, 93
Thorotrast, intravenously as carcinogen, 93
Threefoot, 37
Threefoot, 742
Throat, 157, 742
Thrombocytopenic purpura, bone marrow puncture in diagnosis, 539
Thrombopenia, and hemangioma, 746
Thrombosis, splenic-vein after gastrectomy plus splenectomy, 906
THULIN, A., 741
THUREL, R., is. as., 927
THURINGER, J. M., is. au., 714
Thymolipoma, 725
Thymoma, 166, 725, 911, 912
(mouse), effect of diet and tumorinhibiting agents on lipid and nucleic acid concentrations, 188
protein fractionation, 187
Thymosarcoma, 548
Thymus, 166, 355, 548, 725, 911-2, 934
Thyroid disease, radioactive isotope therapy, 346
Thyroid catract, effect on irradiated mice, 48
Thyroid gland, 167, 356-7, 547, 548-50, 562, 726, 897, 912-3
gland lateral aberrant tumor, 158, 356, 357, 549, 550, 726
nodular hyperplasia induced by thiouracil, 747
radioautography, 167
Thyroidectomy, effect on function of metastatic thyroid cancer, 548
Tree, G. 1., 347
Thyroidectomy, effect on function of metastatic thyroid cancer, 548
Tree, G. 1., 347
Thyroidectomy, effect on function of metastatic thyroid cancer, 548
Tree, G. 1., 347
Thyroidectomy, effect on function of metastatic thyroid cancer, 548
Tree, G. 1., 347
Thyroidectomy, effect on function of metastatic thyroid cancer, 548
Tree, G. 1., 347
Thyrometastatic thyroid cancer, 548
Tree, G. 1., 347
Thyrometastatic thyroid cancer, 548
Tree, G. 1., 347
Thyroidectomy, effect on function of metastatic thyroid cancer, 548
Tree, G. 1., 347
Thyroidectomy, effect on function of metastatic thyroid cancer, 548
Tree, G. 1., 347
Thyroidectomy, effect on function of metastatic thyroid cancer, 548
Tree, G. 1., 347
Thyroidectomy, effect on function of metastatic thyroid cancer, 548
Tree, G. 1., 347
Thyroidectomy, effect on function of metastatic thyroid cancer, 548
Thyroidectomy, effect on function of metastatic thyroid cancer, 548
Thyroidectomy, effect on function of metastatic thyroid cancer, 548
Thyroidectomy, effect on function of metastatic thyroi

studies of, with induced radioactivity.

Tobacco smoking, and respiratory and circulatory diseases, 742

Toblas, C. A., 713

Toblas, G., ji. am., 180

Toblas, J. W., 746

Todd, W., Ji. am., 716

Tønneskn, M., ji. am., 724

Törnnelom, N., 911

Tötterman, G., 894

Tomography, 181, 897, 930. See also Roentgenography

Tongoue, 348, 544, 554, 711, 716, 903, 900, 736

Tonsil, lymphosarcoma, 924

Topp, J. H., 724

TOPPOZADA, H. K., ji. au., 552
TORKILDSEN, A., ji. au., 177
TORRES, L. F., Jr., 170
TORRES, L. F., Jr., 170
TORRES, L. F., Jr., 170
TORRES, W. E., ji. au., 190
TORREY, W. E., ji. au., 190
TRACY, E. M., ji. au., 551
TRACZYK, Z., 171
TRAFTON, H. F., ji. au., 719
TRASPORNATH, F., ji. au., 719
TRASPORNATH, F., ji. au., 717
Trauma, and cholesteatoma, 740, 741
subcutaneous, effect on tumor growth
in mouse, 752
TRAUT, H. F., 915
Treatment, 155-7, 344-6, 539, 710-2,
897-9. See also Specific therapy,
e.g., Urethane therapy; Specific
sites; Specific tumors; Surgery
Treatment of Malignant Disease by
Radium and X-Rays (book
receive), 711
TRELOAR, A. E., ji. au., 350
TRENT, J. C., ji. au., 180
TREVES, N., 715
TREVOR, W., 549
TRICERRI, F., ji. au., 713
TRIMPI, H. D., ji. au., 722
TRIPP, J. R., 369
TRIES, A. E., 361
TROLAND, C. E., 369
TROSOW, A., ji. au., 738
TROSOW, A., j

Trypanosoma crusi, lysates, effect on mouse, 376

Trypanosomiasis, stilbamidine therapy, 539

539
TUBIANA, R., jt. au., 901
TUCKER, C. E., 708
TULLEY, T. J., jt. au., 540
TULLIS, J. L., 748
Tumors, abdominal, 346, 713 umors, abdominal, 346, 713
acoustic nerve, 177
adrenal, 356, 731
aveolar-cell, 373
amebic, simulating cancer, 909
amyloid, 732, 930
bladder, 732
blood vessels, 715
bone, 179, 370, 371, 557
brain, 177, 369
breast, 347, 714, 901. See also
Breast
male, 158, 159, 543. See also
Breast, male
regression by extracts of degenerating amphibian skin, 375

ating amphibian skin, 375 chondroblastic, 928 chromophobe, 355, 548 Chomitoblastic, 928
chromophobe, 355, 548
connective-tissue, 348, 558
cystic, 713
dermoid, 169
desmoid, 5ee Desmoid
dumb-bell, 369
dysontogenetic, 746
epithelial, 371, 544
esophagus, 346, 349, 742
gastrointestinal tract, 348, 547, 715,
906
giant-cell, 178, 370, 371, 557, 741, 9 28
910mus, 348, 544, 715, 903
glomus-jugulare, 160, 927
granulosa-cell, 552, 731, 933
(horse), 753
(mouse), hypervolemia in, 753

(norse), 753 (mouse), hypervolemia in, 753 hourglass, 927 Hurthie-cell, 474, 726, 913 interstitial-cell, 172, 733, 746 (dog), 189 intraorbital, 740 islets of Langerhans, 165, 910 ian, 557

iaw. 557

jaw, 557 kidney, 170, 361, 732, 916 lacrimal gland, 556 larynx, 742 lung, 346 lymphoid, 737 mediastinum, 180, 346, 713, 900 mixed, anorectal, 908 cheek, 934 salivary clands, 160, 161, 904,

cheek, 934 salivary glands, 160, 161, 904, 905 muccepidermoid, 904 nasopharynx, 742, 930 neck, 157, 900 nerves, 177, 558, 739, 740, 926, 927 neurogenic, 545, 739, 900

nose, 742, 930 nose, 742, 930 oral cavity, 742, 904 ovary, 361, 552, 731, 916, 933 papillary, 726, 918 para-amyloid, chemical analysis of, 77 pineal, 739 nituitary, 355, 725, 010 pineal, 739
pituitary, 355, 725, 910
plasma-cell, 742
posterior fossa, 934
rectum, 723
reticular histiomonocytic, 906
retroperitomeal, 900, 901
salivary glands, 716, 742
septum pellucidum, 177
Sertoli-cell, 921
sinuses, 742
skin, 368, 715
soft tissue, 554 Sertoli-cell, 921 sinuses, 742 skin, 368, 715 soft tissue, 554 spinal cord, 177, 369, 556, 739, 927 spindle-cell, 348 stomach, 350, 548, 719, 906 synovial membrane, 557 teratoid, 172, 731 testis, 365, 733, 920, 921 theota-cell, 169, 552 thorax, 157, 346 thymus, 355, 548, 934 thyroid, 732, 917 vertebral column, 371, 901 villous, ser Papilloma virilizing, 724, 911, 916 (animal), 189, 378, 566, 753-4, 942 (avian), 377 role of viruses in, 938 (dog), 566, 734, 942 of melanin-forming cells, 753 (dresh-water), mussel, 566 (mouse), ovarwher), 1574, 942 (tresh-water), mussel, 566 (mouse), ovarwher), 1574, 1574 (tresh-water), mussel, 566 (mouse), ovarwher), 1574 (tresh-water), mussel, 566 (mouse), ovarwher), 1574 (tresh-water), 1574 (tresh-water)

TYLER, P. H., 351
TYNER, P. H., 351
Tyrosinase activity, effect of cancer blood on, 752
dl-Tyrosine, radioactive, distribution in mouse with melanosarcoma, 183

ÜBELHÖR, R., 364
UHLMANN, E. M., 711
UHLEIN, A., 556
Ulcer, lymphosarcomatous, 554
Marjolin's, 555
rodent, 722, 738, 926. See also
Carcinoma, basal-cell
stomach, 163, 350, 351, 546, 719, 720,
907
and cancer, 351

907
and cancer, 351
cytological diagnosis, 907
ULFELDER, H., 351
ULLMANN, H. J., 739
Ulna, see Extremities
Ultrashort waves, effect on cancer cells,

Ultrashort waves, effect on cancer cells, 938
ULRICH, D. M., it. an., 923
Ultraviolet microscopy, see Microscopy, ultraviolet
UNDERWOOD, F. J., 708
UNDERWOOD, G. B., 345
UNDERWOOD, G. M., 353
United States, cancer statistics, 154, 342, 708
Ureter, 170-1, 362, 727, 731, 732, 917-8
Ureterostomy, cutaneous, 362
Urethane, alkylated, studies on, 185
antagonism to p-aminobenzoic acid
in leukemia, 923
as anticarcinogen, 538
C's-Labeled, studies in leukemic

Ciclabeled, studies in leukemic mouse, 934 derivatives, effect on leukemia, 937 effect on blood of laboratory animals, granulocytes, 174
lipid nucleic acid in mouse thymoma, 188
mouse lymphoid tissue, 748
rat carcinoma, 749
therapy, 173, 366, 553, 710, 735, 736,
741, 920, 922, 923, 924
Urethane—nitrogen mustard synergism,
in leukemis, 937
Uretbra, 171, 553, 894, 918
Urethrocystography, 172
Urinary tract, see Genitourinary tract
Urine, inhibition of carcinoma, 564
Uterus, 168-9, 182, 343, 357, 359-61,
551-2, 728-30, 915-6
(mouse), cancer after hormone treat-

(mouse), cancer after hormone treat-ment, 563

Vaccination, see Immunization
Vaccine virus, see Virus
VACZY, L., 915
VAGINA, 168, 182, 357-9, 360, 550-1, 563,
726-7, 746, 913
Vaginal smear, see Cytology, exfoliative 726-7, 746, 913
Vaginal smear, see Cytology, exfoliative
Vali, A. D., ji, am., 356
VALENTINE, W. N., ji, am., 357
VALLANCE-OWER, J., ji, am., 367
VALLE, D. DEL, 910
VALLE, D. DEL, 910
VALLE, D. DEL, 910
VALLERY-RADOT, P., 736
VANDER VELDE, K. M., 908
VAN DER WEBEF, J. T., 345
VANNAS, M., 741
VAN VEEN, G., 377
VAUGHAN, G. D., ji, am., 163, 352, 908
VAUGHAN, G. D., ji, am., 163, 352, 908
VAUGHAN, L. M., ji, am., 179
VAZ, O., 352
VAZQUEZ, L. A., ji, am., 346
Veins, invasion by cancer, 362, 909, 912
VELLENS, G., ji, am., 709
VELHAGEN, K., 927
VELHAGEN, K., 927
VENDRELY, C., ji, am., 942
VENDRELY, C., ji, am., 942
VENDRELY, C., ji, am., 546
VERMOTEN, V., 172
VERNON, H. K., 732
VERNON, H. K., 732
VETCHOR, SEO OSSOUS SYSTEM
VLANNA, J. B., 901
VICCHI, M., J., ji, am., 918
VIDEBAEK, A., 736
VIEGA, A., 736
VIEGA, A., 736
VIEGA, A., 345
VIEL, A., 910
VICHAE, A., 910
VICHAER, A., 910
VICHAER, A., 348
VIELA, 910
VICHAER, G., ji, am., 186
VIPOND, C. H., 172
VIRGINIA, Cancer control, 708
VIRISIMM, 723
VIIVIS, 938
VIOLLER, G., ji, am., 186
VIPOND, C. H., 172
VIRGINIA, cancer control, 708
VIRISIMM, 724, 731
VIIVIS, and cancer, 996. See also Milk
agent
herpes simplex, effect on mouse
tumors, 938
influenza A. effect on mouse

Virus, and cancer, 896. See also Milk agent herpes simplex, effect on mouse tumors, 938 influenza A, effect on mouse tumors, 958 rabbit fibroma, propagation, 375 papilloma, 751 role in avian leukemia, 938 Russian Far East encephilitis, effect on mouse sarcoma 180, 938 vaccine, effect on mouse leukemia, 30 Vitamin B complex, effect on rat tumors, 50 Vitamin B complex, effect on rat tumors, 50 Vitamin K, synthetic, 710 Vitug, W., 924 VOEGTLIN, M., ji. au., 187 VOLTERRA, M., ji. au., 187 VOLTERRA, M., ji. au., 196 VOLUTER, G., ji. au., 902 VONDER HEIDE, E. C., ji. au., 735 (twice) VOSSELER, A. J., 541 VRIES, A. DE, 725 Vulva, 168, 357, 358, 726, 727, 913 WARRSINGER, P. B., 371

WAHRSINGER, P. B., 371
WAKELEY, C., 160, 926
WALKER, J. M., 374
WALKER, L. A., ji. as., 899
WALKER, L. A., ji. as., 899
WALDAPEL, R., 558
WALDECK, K., ji. as., 746
WALDAPEL, R., 558
WALDAPEL, R., 558
WALDAPEL, B. A., 369
WALDA, E. A., 369
WALDA, E. 915
WALLOR, E., 915
WALTER, E. M., ji. as., 738

WALTERS, W., 352, 720, 907, 911, jt. an., 545

S45

WALTHER, D., 907

WALTHER, O., 907

WALTHER, O., 907

WALTHER, D., 41. 60

WALTHER, J. G., 41. 60, 927

WALZL, E. M., 179

WARD, A., 18. 68., 740

WARD, G. S59

WARD, G. S559

WARE, E. R., 18. 68., 734

WARREN, C. W., 31. 68., 187, 188

WARREN, C. W., 36. 68., 723

WARREN, C. W., 36. 68., 723

WARREN, T. N., 16. 68., 187, 188

WARSHAW, L. J., 36. 68., 187, 188

WARSHAW, L. J., 36. 68., 16. 68., 167

WASSERAMN, L. R., 554, 16. 68., 170

WATERNS, L. L., 16. 68., 907

WATERNS, L. L., 16. 68., 907

WATERNS, L. L., 16. 68., 907

WATKINS, W. M., 184

WATSON, E. M., 731

WATSON, E. M., 731

WATSON, W. L., 162, 743

WAUGH, J. M., 723, 16. 68., 163, 352, 353, 177, 722

WAVEREN, E. K., VAN, 36. 68., 358

WEAR, J. B., 364

WEBB, J. G., 36. 68., 16. 38., 358

WEAR, J. B., 364

WEBB, J. G., 36. 68., 16. 727

WEBBER, G. M., 41. 68., 163

WEBB, J. K., 36., 36.

WEBB, J. K., 36., 36.

WEBB, J. K., 36., 36.

WEBB, J. G., 36., 36., 36.

WEBB, J. G., 36., 36., 372

WEBBER, G. M., 36., 372

WEBBER, G. M., 373

WEBLAND, G. S., 36., 374

WELLAND, G. S., 37.

WELLAND, R., 375

WELLAND, R., 375

WELSSERCER, A. S., 709

WESSEUSE, L., 36. 68., 539

WESSEUSE, L., 36. 68., 539

WEISS, A. G., 911

WEISSER, R., 915

WELLEN, S., 372

WELSS, A. G., 917

WELLS, A. H., 995

WELLEN, S., 372

WESSER, D., 916

WHANTON, D. R., 373

WESTHERM, R., 915

WELLEN, R., 374

WHITE, L., 16. 68., 374

WHITE, L., 16. 68., 374

WHITE, L., 16. 68., 374

WHITE, H. E., 355

WHITE, P. C., 374

WHITE, H. E., 355

WHITE, H. E., 355

WHITE, P. C., 374

WHITE, H. E., 355

WHITE, H. E., 355

WHITE, H. C., 374

WHITE, H. E., 355

WHITE, W. G., 374

WHITE, H. E., 355

WHITE, H. E., 355

WHITE, H. E., 356

WHITE, H. E., 356

WHITE, H. B., 356

WHILLIAMS, B. S., 16. 68., 374

WHILLIAMS, B. S., 16. 68., 374

WHILLIAMS, B.

WILLAMS, E. W., 551
WILLAMS, I. G., 345, 898
WILLAMS, J. A., 174
WILLAMS, J. A., 174
WILLAMS, J. A., 174
WILLAMS, R. J., 737
Wilms & tumor, 561, 374, 559, 724, 746,

940
MILSON, E., 909
WILSON, E., 909
WILSON, E., 91, 353
WILSON, C. R., 31, 31, 31, 320
WILSON, J. W., 163
WILSON, J. W., 164
WILSON, J. W., 164
WINSON, T. H., 937
WINDHOLZ, F., 554
WINSTON, E., 740
WINNIK, D., 91, 384, 169
WINNIK, D., 91, 384, 169
WINNIK, D., 91, 384, 174
WINTKONES, M. M., 156
WISEMAN, B. K., 174
WISTEMBER, M. M., 156
WISEMAN, B. K., 174
WISTEMBER, M. M., 156
WISEMAN, C. L., JR., j1, 31, 31, 31
WITTENBORG, M. H., 156
WISEMAN, C. L., JR., j1, 31, 31
WITTENBORG, M. H., 150
WOLFE, F. D., j1, 384, 352
WOLFE, J. M., 187
WOLFE, J. M., 187
WOLFE, J. M., 187
WOLFE, J. M., 187
WOLFE, J. A., j1, 31, 31, 31, 31
WOLHEIM, E., 564

CANCER November 194:

WOLL, E., 361
WOLLAEGER, E. E., 165
WOLMAN, I. J., 746, 934
WOLSTENBIOLME, G. E. W., 926
WOOD, C. A. P., 898
WOOD, C. A. P., 898
WOOD, T. J., 16 au., 366
WOODBURNE, A. R., 898
WOODS, M. W., 748, jl. au., 934
WOODS, G. L., jl. au., 934
WOODSED, G. L., jl. au., 941
WOODSED, G. L., jl. au., 941
WOODSED, G. L., jl. au., 941
WOODSED, J. H., 167
WOOLBER, L. B., 743, 744
WOOTSTES, J. H., 167
WORMALL, A., jl. au., 187
WORMALL, A., jl. au., 184
WORSTES-DROUGHT, C., 369
WORSTES-DROUGHT, C., 369
WORSTES-DROUGHT, C., 369
WORSTES-DROUGHT, A., jl. au., 368
WRIGHT, M., Jl. au., 393
WYKE, B. D., 742
Xanthofibroma, 554

Xanthofibroma, 554 Xanthoma, 175, 906, 932 Xeroderma pigmentosum, 378, 555, 925 XYZ factor, 375, 560, 561

YATES, C. W., ji. au., 722 YEAKEL, E. H., 564 YÖDLER, A., 907, 910 YOHALEM, S. B., ji. au., 167 YOUNG, J. H., 911 YOUNG, N. F., ji. au., 162, 177, 377 YOUNG, V. T., 354 YOUNGHUSBAND O. Z., ji. au., 548 YUE, H. S., 361

YUE, H. S., 361

ZAGNONI, C., 917

ZAHL, P. A., 752

ZALIN, H., 182

ZAMECNIK, P. C., 188, 566

ZANGER, E. L., 168

ZANES, R. P., JR., 175

ZARAFONETIS, C. J. D., 174, 710

ZEIDMAN, I., 752

ZEIGERMAN, J. H., 169

ZEKOFF, Z., 343

ZELLE, K., 169

ZEMEN, F. D., 357

ZERON MEDINA, F., 179

ZIEMAN, S. A., 713 ZIEMAN, S. A., 713
ZIESCHÉ, H., 934
Zirconium, effect on metabolism of

Zirconium, effect on metabolism of plutonium and radioyttrium, 712 Zivin, S., ji. au., 737 Zollinger, H. U., 184, ji. au., 917 Zuckermann, C., 894 Zummo, B. P., ji. au., 916

